

2 Annual
HEALTH REPORT

FOR THE

CITY OF NEWARK



1944



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Department of Public Affairs*

*Department of Health, Newark, N. J.
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Health Officer.*

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GOOD PUBLIC HEALTH IS ONE OF THE OUTSTANDING NEEDS ON THE HOME FRONT DURING WAR-TIME. WE BELIEVE THE RECORD SHOWS THAT THIS HAS BEEN MAINTAINED. WE REGRET THAT THE SAME WAR-TIME CONDITIONS MAKE PAPER DIFFICULT TO OBTAIN. WE HAVE, THEREFORE, GREATLY CURTAILED SUCH ITEMS AS DESCRIPTION OF DIVISIONAL FUNCTIONS. THEY ARE WELL PRESENTED, HOWEVER, IN A RECENT PAMPHLET "KNOW YOUR HEALTH DEPARTMENT" WHICH WILL BE FORWARDED ON REQUEST.

• *Charles V. Craster*
M.D., D.P.H.
HEALTH OFFICER

NEWARK, N.J., JUNE 1945.

CITY OF NEWARK, NEW JERSEY
FIVE CITY COMMISSIONERS (ELECTED FOR 4 YRS)
ALL CITY FUNDS, ORDINANCES, APPOINTMENTS &C

NEWARK HEALTH DEPARTMENT
ORGANIZATION
ALL EMPLOYEES-CIVIL SERVICE

ONE OF THESE
DIRECTOR OF PUBLIC AFFAIRS
HAS CHARGE OF
HOSPITALS - HEALTH - RELIEF, ETC.

DEPARTMENT ENFORCES
STATE LAWS AND
LOCAL ORDINANCES ON HEALTH

HEALTH DEPT.

HEALTH OFFICER
EXECUTIVE HEAD

EXECUTIVE DIVISION
ADMINISTRATION, VITAL
STATISTICS, EDUCATION,
MAINTENANCE, ETC.

LABORATORIES
CHEMICAL, BACTERIOLOGICAL, SEROLOGICAL
SERVE ALL DIVISIONS

DISPENSARY CLINICS
TREATMENT OF INDIGENT PATIENTS

INFANT & CHILD HEALTH

SANITATION

FOOD & DRUG
CONTROL
DIV.

MEAT
INSPECTION
DIV.

INDUSTRIAL
HYGIENE
DIV.

PLUMBING
DIV.
NEW
PLUMBING

SANITARY
DIV.
ENVIRONMENTAL
SANITATION,
DOG CONTROL &C

PAROCHIAL
SCHOOL
MED. INSP.
HEALTH EDUC.

CHILD
HYGIENE
DIV.

BABY
KEEP-RELL
STATIONS

DISEASE CONTROL

COMMUNICABLE
DISEASE
DIV.

TUBERCULOSIS
DIV.
CONTROL &
CLINICS

VENEREAL
DISEASE
DIV.
CONTROL &
CLINICS

OCCUPATIONAL
CLINIC
DOMESTICS-
FOODHANDLERS
SPEC. GROUPS

HEALTH REPORT - 1944

NEWARK, N.J.

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HEALTH REPORT--1944

NEWARK, N. J.

CHARLES V. CRASTER, M.D., D.P.H. -- HEALTH OFFICER



TO HONORABLE JOHN A. BRADY, DIRECTOR OF PUBLIC AFFAIRS

AND TO THE CITIZENS OF NEWARK, N. J.

WAR-TIME DEVELOPMENTS

HEALTH RATES NORMAL IN 1944

THIS YEAR BEING THE FOURTH YEAR OF WAR WITH GERMANY AND JAPAN, THERE WAS REASON TO EXPECT CONSIDERABLE CHANGES IN OUR HEALTH PICTURE. IT IS REMARKABLE, THEREFORE, TO REPORT THAT THE PRINCIPAL VITAL STATISTICS FOR THE CITY DO NOT INDICATE ANY CONSIDERABLE CHANGE FROM OUR NORMALS.

THE CRUDE DEATH RATE OF 11.5 PER 1,000 UPON AN ESTIMATED POPULATION OF 440,000 FOR 1944 IS ONLY FIVE-TENTHS OF 4 POINT ABOVE THE ELEVEN-YEAR NORMAL WHICH WAS 11.0 PER 1,000 OF THE POPULATION AND WAS LESS THAN THE CRUDE DEATH RATE FOR 1943 OF 11.6. THE INFANT MORTALITY RATE WHICH IS USUALLY A GOOD INDEX OF COMMUNITY HEALTH WAS 34.7 PER 1,000 LIVE BIRTHS FOR 1944 WHICH ALTHOUGH HIGHER THAN THE RATE OF 30.9 FOR 1943 IS LOWER THAN ANY PRE-WAR YEAR AND WELL BELOW THE ELEVEN-YEAR NORMAL OF 36.1.

ANOTHER OUTSTANDING RATE EXPECTED TO REFLECT ADVERSE WAR CONDITIONS IS TUBERCULOSIS MORTALITY AND THE FIRST WAR YEARS DID SHOW AN INCREASE WITH AN AVERAGE OF 67.1 FOR 1940-1943. WE FIND, HOWEVER, THAT 1944 HAD THE LOWEST TUBERCULOSIS MORTALITY EVER RECORDED IN NEWARK WITH A RATE OF 58.4 PER 100,000 POPULATION.

IT IS A PLEASURE TO REPORT THAT DURING THE PAST FOUR YEARS, THE DEPARTMENT HAS DEVELOPED ALONG LINES WHICH ARE CERTAIN TO PAY DIVIDENDS DURING THE COMING YEARS. THIS IS EVIDENCED BY THE FACT THAT ALTHOUGH WE DID NOT WIN A PLACE IN THE ANNUAL NATIONAL PUBLIC HEALTH CONTESTS FOR SEVERAL YEARS, NEWARK AGAIN WON THE PLAQUE FOR THE BEST HEALTH DEPARTMENT FACILITIES AMONG CITIES ITS SIZE, WHICH WAS AWARDED IN 1944. THAT CONTEST, WHICH WAS CONDUCTED BY THE UNITED STATES CHAMBER OF COMMERCE AND THE AMERICAN PUBLIC HEALTH ASS'N, GAVE SPECIAL CREDIT FOR WORK DESIGNED TO AID IN THE PROBLEMS CAUSED BY THE WAR.

TUBERCULOSIS

OF GREAT VALUE IN OUR EFFORT TO SECURE EARLY DETECTION OF TUBERCULOSIS, WAS THE INSTALLATION OF A COMPLETE X-RAY EQUIPMENT IN 1943, WHEREBY THOUSANDS OF TESTS CAN BE MADE EACH MONTH, USING THE INEXPENSIVE 4"X5" FILM, INCIDENTALLY, IN SPITE OF WAR-TIME CONDITIONS, NEWARK HAD THE LOWEST TUBERCULOSIS MORTALITY RATE LAST YEAR IN OUR HISTORY.

TROPICAL DISEASES

TROPICAL DISEASES, A PROBABLE POST-WAR PROBLEM, ARE ALREADY BEING PREPARED FOR. A SPECIAL LABORATORY, FOR MALARIA EXAMINATION HAS BEEN EQUIPPED AND OUR MEDICAL INVESTIGATOR RECENTLY TOOK THE MILITARY MEDICAL COURSE ON THOSE DISEASES.

MEDICAL CARE

BY CO-OPERATION WITH THE MEDICAL SOCIETY, DIRECTOR BRADY CHANGED THE SYSTEM OF PROVIDING HOME MEDICAL CARE FOR THE INDIGENT SICK FROM THE USE OF SALARIED "POOR" DOCTORS, TO ONE WHEREBY THE PATIENT HAS FREE CHOICE OF DOCTOR. IT IS GIVING EXCELLENT RESULTS WITH NO INCREASED COST.

INDUSTRIAL HYGIENE

INDUSTRIAL HYGIENE, LONG A PROBLEM, BECAME SO VITAL DUE TO WAR PRODUCTION IN THIS AREA, THAT IT HAS BEEN EXPANDED FROM AN INSPECTIONAL STAFF TO HANDLE NEIGHBORHOOD INDUSTRY NUISANCES TO A FULL FLEDGED INDUSTRIAL HYGIENE DIVISION. THIS WAS DONE BY THE ASSIGNMENT OF OUR MEDICAL INVESTIGATOR AS ADVISOR, AN INDUSTRIAL ENGINEER, AND TWO HEALTH NURSES. THEY HAVE ALREADY DISCOVERED AND REMOVED CAUSES OF SERIOUS WIDESPREAD ILLNESS IN WAR PLANTS AND INDUCED MANAGEMENT IN MANY PLACES TO PROVIDE PROPER EATING FACILITIES AND FIRST AID CLINICS WITH NURSES IN ATTENDANCE, AND NUTRITIONAL EDUCATIONAL CAMPAIGNS HAVE BEEN CARRIED OUT.

VENEREAL DISEASE CONTROL

VENEREAL DISEASE CONTROL, ALWAYS AGGRAVATED BY WAR CONDITIONS, REACHED ITS HIGH POINT DURING THE PAST ADMINISTRATION. SOCIAL CONTROL WORK IMPROVED BY SECURING A TRAINED SYPHILIS EPIDEMIOLOGIST, AND A MEDICAL PHYSICIAN IN CHARGE. SULFA DRUGS, PENICILLIN, AND THE "FIVE DAY DRIIP" TREATMENT HAVE ALL BEEN USED TO A CONSIDERABLE EXTENT. THE DEPARTMENT INSTALLED ONE OF THE FIRST GONORRHEA CULTURE LABORATORIES IN THE COUNTRY, AND MADE MORE THAN 200,000 SYPHILIS BLOOD TESTS PER YEAR.

HOUSING

AN OUTSTANDING WAR-TIME PROBLEM, IN A CROWDED COMMUNITY LIKE NEWARK, IS HOUSING. DIRECTOR BRADY SECURED THE PASSAGE OF AN ORDINANCE FOR REHABILITATION OR DEMOLITION OF UNFIT RESIDENTIAL QUARTERS, DESIGNATING THE HEALTH OFFICER AS SUPERVISOR. UNFIT PLACES CAN BE ORDERED DEVOLISHED OR REHABILITATED. IF OWNERS CANNOT AFFORD TO REHABILITATE, AND THE COST DOES NOT EXCEED 50% OF PROPERTY VALUE, THE CITY CAN DO THE WORK AND COLLECT THE COST AS TAXES. THIS SEEMS THE MOST PRACTICAL SOLUTION TO THIS SERIOUS PROBLEM.

AS AN EMERGENCY MEASURE, A NUMBER OF FAMILIES WERE PROVIDED WITH TEMPORARY LIVING QUARTERS BY CONVERTING THE EMPTY BELMONT AVENUE SCHOOL TO A TEMPORARY SHELTER WITH NECESSARY FACILITIES.

TO HELP IN THE ACUTE COAL SHORTAGE, WE

SECURED SHIPMENTS OF COAL FOR THE PAST TWO WINTERS AND RETAINED IT FOR EMERGENCY AT VARIOUS FIRE HOUSES, THE WORK AND SUPERVISION BEING CARRIED OUT BY HEALTH DEPARTMENT PERSONNEL.

IMMUNIZATION

DURING THE PAST FOUR YEARS, THIS DEPARTMENT HAS WAGED A CAMPAIGN FOR THE IMMUNIZATION OF PRE-SCHOOL CHILDREN AGAINST DIPHTHERIA AND WHOOPING COUGH, BY USE OF A COMBINED MATERIAL. RESULTS ARE ALREADY SHOWING IN THE GREATLY REDUCED PREVALENCE OF WHOOPING COUGH. IT IS ALSO MAINTAINING THE PROPORTION OF PRE-SCHOOL CHILDREN PROTECTED AGAINST DIPHTHERIA, WHICH MAY BE DIFFICULT WITH DIPHTHERIA NO LONGER PREVALENT AS A WARNING TO PARENTS.

IN-SERVICE TRAINING

ALTHOUGH THERE HAS BEEN A SLIGHT DECREASE IN THE TOTAL NUMBER OF DEPARTMENT EMPLOYEES, IT IS A PLEASURE TO REPORT THAT THIS DECREASE IS FAR MORE THAN OFFSET BY THE INCREASED TRAINING OF OUR PRESENT STAFF, PARTICULARLY AMONG NURSES AND INSPECTORS, AS WELL AS SOME OF OUR DIVISION HEADS. A SPECIAL INVESTIGATION MADE FOR THE GOVERNOR RECENTLY CRITICISED THE PUBLIC HEALTH NURSING QUALIFICATIONS IN THE MANY COMMUNITIES OF THIS STATE. NEWARK WAS THE EXCEPTION, AS PRACTICALLY ALL OF OUR NURSES HAVE IN THE PAST FOUR YEARS TAKEN THE BASIC COURSES IN PUBLIC HEALTH NURSING. MANY OF THE INSPECTORS HAVE TAKEN THE SUMMER COURSES AT RUTGERS UNIVERSITY.

GENERAL MORTALITY

THERE WAS A MARKED REDUCTION IN DEATHS DURING 1944 WITH A TOTAL OF 5,201 AND A CRUDE DEATH RATE OF 11.5 COMPARED WITH 5,702 AND A RATE OF 12.6 IN 1943. THESE FIGURES INCLUDE ALL DEATHS OCCURRING WITHIN THE CITY LIMITS AND AS NEWARK IS A HOSPITAL CENTER FOR MANY SURROUNDING COMMUNITIES, THE NON-RESIDENT DEATHS OUTNUMBERED THE DEATHS OF NEWARK RESIDENTS DYING ELSEWHERE. SUBTRACTING 815 NON-RESIDENTS WHO DIED IN NEWARK AND ADDING 149 NEWARKERS KNOWN TO HAVE DIED ELSEWHERE, WE HAVE AN ADJUSTED TOTAL OF 4,535 AND AN ADJUSTED DEATH RATE OF 10.3. THIS IS EXACTLY THE SAME AS OUR NORMAL FOR THE PREVIOUS NINE YEARS AND IS A REDUCTION FROM THE ADJUSTED RATE OF 11.5 IN 1943.

CRUDE AND ADJUSTED DEATH RATES *

| YEAR | POPULATION * | CRUDE DEATHS | CRUDE DEATH RATE | ADJUSTED DEATHS | ADJUSTED DEATH RATE |
|------|--------------|--------------|------------------|-----------------|---------------------|
| 1935 | 455,000 | 4,806 | 10.6 | 4,411 | 9.7 |
| 1936 | 457,000 | 5,108 | 11.2 | 4,714 | 10.3 |
| 1937 | 458,000 | 5,061 | 11.0 | 4,600 | 10.1 |
| 1938 | 458,000 | 5,116 | 10.9 | 4,480 | 9.8 |
| 1939 | 459,000 | 4,855 | 10.6 | 4,384 | 9.6 |
| 1940 | 429,000 | 5,025 | 11.7 | 4,762 | 11.1 |
| 1941 | 429,000 | 5,127 | 11.6 | 4,415 | 10.3 |
| 1942 | 429,000 | 5,256 | 11.9 | 4,699 | 10.8 |
| 1943 | 440,000 | 5,702 | 12.6 | 5,043 | 11.5 |
| 1944 | 440,000 | 5,201 | 11.5 | 4,535 | 10.3 |

* OVER-ESTIMATION OF POPULATION AS SHOWN BY THE 1940 CENSUS NATURALLY MADE ESTIMATED RATES MUCH LOWER THAN IF ESTIMATE HAD BEEN CORRECT.

PRINCIPAL CAUSES OF DEATH

ORGANIC HEART DISEASE

THE MAJOR PART OF OUR MORTALITY DECREASE WAS IN ORGANIC HEART DISEASE WHICH CAUSED 1,744 DEATHS COMPARED WITH 1,975 THE PREVIOUS YEAR. THIS IS AN ENCOURAGING BUT UNEXPECTED CHANGE, AS THAT CAUSE HAD BEEN STEADILY INCREASING EVERY YEAR, STARTING ABOUT 25 YEARS AGO WHEN IT AVERAGED 500 DEATHS, TO THE HIGHEST PEAK OF 1,975 IN 1943. IT IS POSSIBLE THAT THE GREAT MENTAL STRAIN AND ADDED PHYSICAL EXERTION DURING THE FIRST TWO YEARS OF WAR TOOK AN EXCEPTIONAL TOLL OF THOSE HEART CASES WHICH MIGHT NORMALLY HAVE LIVED FOR SEVERAL YEARS LONGER. IF THAT IS SO, THE NUMBER OF POTENTIAL HEART DISEASE DEATHS IN 1944 AND FOR ANOTHER YEAR OR TWO WOULD NATURALLY BE GREATLY REDUCED. THE REDUCTION IN SUCH DEATHS IN DECEMBER ALONE WAS STARTLING WITH ONLY 150 COMPARED WITH 269 THE PREVIOUS DECEMBER.

TUBERCULOSIS

THE SAME SITUATION MAY ACCOUNT FOR THE TUBERCULOSIS MORTALITY EXPERIENCE OF 1944. DEATHS FOR THE YEAR NUMBERED 257, THE LOWEST YEAR EVER RECORDED BY THE DEPARTMENT OF HEALTH. THERE WERE 234 IN 1943. THE RATE THIS YEAR ALSO SETS A NEW LOW RECORD OF 58.4 PER 100,000. WHEN TUBERCULOSIS CONTROL WORK WAS STARTED IN THIS CITY, SOME 30 YEARS AGO, TUBERCULOSIS CAUSED AN AVERAGE OF 800 DEATHS EACH YEAR AND A RATE OF OVER 200, OR MORE THAN THREE TIMES THE 1944 EXPERIENCE. HAD THE FORMER RATE PREVAILED THIS YEAR, WE WOULD HAVE HAD 880 DEATHS FROM TUBERCULOSIS INSTEAD OF 257. THE PREVIOUS LOW TUBERCULOSIS MORTALITY RATE WAS RECORDED IN 1939 WITH A RATE OF 60.3. AS EXPECTED, DUE TO THE WAR, THE RATE INCREASED AND AVERAGED 66 DURING THE NEXT THREE YEARS. AS IN THE CASE OF HEART DISEASE, IT IS PROBABLE THAT MORE THAN THE NORMAL NUMBER OF ADVANCED TUBERCULOSIS CASES PROVED FATAL DURING THOSE THREE YEARS AND REDUCED THE POTENTIAL FATAL CASES THIS YEAR.

OTHER MAJOR CAUSES OF MORTALITY

THE MAJOR CAUSES OF DEATH WHICH SHOWED DECREASES IN 1944, COMPARED WITH 1943, WERE APOPLEXY WITH 421 COMPARED WITH 431; PNEUMONIA 234 COMPARED WITH 238; ACCIDENTS 270 COMPARED WITH 304; EPIDEMIC MENINGITIS 17 COMPARED WITH 27. THE MAJOR CAUSES WHICH SHOWED INCREASES, WERE CANCER WITH 708 COMPARED TO 655 AND CONGENITAL DEBILITY OR CONDITIONS AT BIRTH WITH 278 COMPARED TO 257.

MATERNAL DEATHS DECREASING

AMONG THE MOST ENCOURAGING HEALTH RATE TRENDS IN THE CITY, IS THAT OF MATERNAL MORTALITY. THE YEAR 1944 NOT ONLY CONTINUED THE DOWNWARD TREND OF DEATHS AMONG MOTHERS AT CHILDBIRTH, BUT ESTABLISHED THE LOWEST RATE EVER RECORDED IN NEWARK WITH ONLY NINE DEATHS AND A RATE OF LESS THAN ONE, PER THOUSAND DELIVERIES. THIS RATE WAS PARTICULARLY INTERESTING AND ENCOURAGING AS A STUDY OF THE CAUSES OF THE NINE DEATHS SHOWS THAT FOR THE FIRST TIME IN OUR HISTORY, NOT ONE MATERNAL DEATH WAS DUE TO SEPTICAEMIA.

THIS REDUCTION IS NOT A MERE COINCIDENCE. MUCH GOOD WORK HAS BEEN DONE BY THE PRE-NATAL CLINICS ASSOCIATED WITH THE CITY HOSPITAL WITH A STAFF OF FIELD NURSES AND CLINICS FOR PROPER EXAMINATIONS LONG BEFORE BIRTH IS ANTICIPATED.

IN ADDITION TO THIS, WHEN SUCH DEATHS HAD INCREASED TO 70 IN 1927. OR A RATE OF ALMOST SEVEN PER THOUSAND DELIVERIES, THE ESSEX COUNTY MEDICAL SOCIETY ESTABLISHED A SPECIAL MEDICAL COMMITTEE WITH WHICH THE HEALTH DEPARTMENT COOPERATES, NOT ONLY IN THE STUDY OF EVERY MATERNAL DEATH, BUT IN A CAMPAIGN FOR THE ESTABLISHMENT AND APPLICATION OF OBSTETRICAL METHODS BY HOSPITALS AND PRIVATE PHYSICIANS. THESE DEATHS HAVE CONTINUED TO DECREASE FROM THE 70 IN 1927 TO THE NINE LAST YEAR. IN 1927, 14 OF THESE 70 DEATHS WERE ADMITTEDLY DUE TO SEPTICAEMIA. THIS MAKES THE RECORD OF 1944 WITH NO SEPTICAEMIA DEATH AN OUTSTANDING ONE.

MATERNAL DEATHS BY CAUSES

| | 1932 | 1940 | 1941 | 1942 | 1943 | 1944 |
|--|------|------|------|------|------|------|
| TOTAL DEATHS - - - - - | 30 | 29 | 26 | 22 | 18 | 9 |
| PUERPERAL SEPTICAEMIA - - - - - | 5 | 2 | 5 | 2 | 4 | 0 |
| ECTOPIC PREGNANCY - - - - - | 1 | 2 | 2 | 2 | - | 2 |
| CAESARIAN SECTION - - - - - | 3 | 8 | 1 | 3 | 3 | - |
| SELF-INDUCED ABORTION - - - - - | 5 | - | - | - | - | - |
| SPONTANEOUS ABORTION - - - - - | 3 | - | 2 | 2 | - | - |
| ECLAMPSIA - - - - - | 2 | 2 | 5 | 1 | 2 | 1 |
| OTHER ACCIDENTS OF PREGNANCY - - - - - | 8 | - | 1 | - | 4 | - |
| PLACENTA PRAEVIA - - - - - | - | 2 | 2 | - | 0 | 1 |
| POST PARTUM HEMORRHAGE - - - - - | 2 | 4 | 2 | 4 | 2 | - |
| ACCIDENTAL ABORTIONS - - - - - | 1 | 4 | - | - | - | - |
| SHOCK FORCED DELIV. BREACH PRESENT. - - - - - | - | 3 | 1 | - | 1 | - |
| TOXEMIA OF PREGNANCY - - - - - | - | 2 | 3 | - | - | - |
| CRIMINAL ABORTION (NOW CLASSIFIED AS PUERPERA) - - - - - | - | - | 2 | 2 | 1 | 1 |
| CARDIAC FAILURE PREGNANCY - - - - - | - | - | - | 4 | - | 3 |
| LOBAR PNEUMONIA - - - - - | - | - | - | 1 | - | - |
| PULMONARY EMBOLISM - - - - - | - | - | - | 1 | 1 | - |
| MATERNAL MORTALITY PER 1,000 DELIVERIES - - - - - | 3.7 | 3.3 | 2.6 | 1.8 | 1.5 | 0.8 |

INFANT MORTALITY

INFANT DEATHS UNDER ONE YEAR FOR 1944 WERE 375 COMPARED WITH 367 IN 1943 AND AN INFANT MORTALITY RATE OF 14.7 PER THOUSAND BIRTHS. ALTHOUGH THIS IS HIGHER THAN THE RATE FOR 1943 WHICH WAS 30.9, IT IS LOWER THAN ANY YEAR PRIOR TO THE WAR AND THE INCREASE OVER THE LOWEST RATE EVER RECORDED IN CH WAS 29.3 IN 1912, A LESS THAN WE HAD EVERY REASON TO EXPECT. ALMOST 75% OF THE INFANT DEATHS WERE DUE TO CONSTITUTIONAL CAUSES, SUCH DEATHS NUMBERED 271 OUT OF 375 TOTAL. THE LARGEST INCREASE AMONG OTHER CONSTITUTIONAL CAUSES WAS DIARRHOEA WITH 23 DEATHS COMPARED WITH A NORMAL OF 12 WHICH WAS THE NUMBER IN 1943. THIS IS A TYPICAL CAUSE OF DEATH WHERE CARELESSNESS AND INSUFFICIENT CARE IS OFTEN THE CAUSE. THIS CAUSE OF DEATH HAS BEEN SLIGHTLY REDUCED IN RECENT YEARS MAINLY THROUGH CARE IN FEEDING. ONLY 15 PER CENT OF THE INFANT DEATHS WERE DUE TO ACCIDENTAL CAUSES. ABOUT 25 YEARS AGO, NEWARK HAD AN AVERAGE OF 330 DEATHS FROM DIARRHOEA AMONG INFANTS EACH YEAR.

ACCIDENTAL DEATHS

THERE WERE 170 ACCIDENTAL DEATHS, A REDUCTION OF 34 FROM THE TOTAL OF 304 IN 1943. AS USUAL, ACCIDENTAL DEATHS WERE THE MAJOR CAUSE WITH MORE THAN ONE-THIRD OF THE TOTAL. A STUDY BY THE BUREAU SHOWS THAT 16 OF THE 170 ACCIDENTAL DEATHS WERE OVER 40 YEARS OF AGE, 22 WERE BETWEEN 20 AND 40, AND ONLY 15 WERE UNDER FIVE. INCIDENTALLY ACCIDENTAL DEATHS WERE TWICE AS MANY AMONG MALES AS FEMALES, WITH 100 MALE DEATHS AND 70 FEMALE DEATHS. THE FOLLOWING CHART SHOWS THE PRINCIPAL CAUSES OF 170 DEATHS FOR THE LAST FEW YEARS. THE INCREASE IN DEATH FROM ACCIDENTAL CAUSES IS UNDOUBTEDLY DUE TO THE OVERCROWDING AND OVERHEATING OF THE CITY DURING THE WAR. SUCH DEATHS, FORMERLY QUITE FREQUENT, HAD BEEN SLIGHTLY REDUCED AS A RESULT OF AN ORDINANCE PROHIBITING RUBBER TUBING AND REQUIRING PERMANENT METAL CONNECTIONS.

ACCIDENTAL DEATHS BY PRINCIPAL CAUSES

| | 1944 | 1943 | 1942 | 1941 | 1940 | 1939 | 1938 | 1937 |
|-------------------------------------|------|------|------|------|------|------|------|------|
| TOTAL - - - - - | 270 | 304 | 271 | 235 | 258 | 226 | 268 | 343 |
| AUTOMOBILE AND MOTORCYCLE - - - - - | 77 | 97 | 76 | 64 | 73 | 73 | 62 | 130 |
| ACCIDENTAL FALLS - - - - - | 92 | 87 | 99 | 100 | 83 | 81 | 01 | 02 |
| ACCIDENTAL BURNS - - - - - | 14 | 19 | 13 | 16 | 9 | 16 | 20 | 15 |
| ASPHYX-BED CLOTHES - - - - - | 3 | 6 | 9 | 6 | 6 | 9 | 5 | 4 |
| ALCOHOLISM - - - - - | 9 | 8 | 5 | 4 | 7 | 5 | 6 | 11 |
| POISON - - - - - | 0 | 0 | 0 | 4 | 4 | 5 | 4 | 2 |
| CRUSHING - - - - - | 2 | 2 | 7 | 7 | 6 | - | - | 2 |
| CONFLAGRATION - - - - - | 9 | 9 | 4 | 3 | 13 | 1 | 10 | 4 |
| DROWNING - - - - - | 5 | 13 | 11 | 3 | 10 | 9 | 12 | 18 |
| ELECTROCUTION - - - - - | 2 | 1 | 1 | 1 | 2 | 0 | 3 | 5 |
| ELEVATOR - - - - - | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| HEAT EXHAUSTION - - - - - | 7 | 4 | 1 | 3 | 2 | 2 | 5 | 8 |
| ILLUMINATING GAS - - - - - | 26 | 23 | 16 | 6 | 13 | 4 | 18 | 14 |
| RAILROAD - - - - - | 5 | 6 | 12 | 2 | 7 | 1 | 5 | 9 |
| TROLLEY - - - - - | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 |
| MISCELLANEOUS - - - - - | 18 | 33 | 17 | 10 | 22 | 19 | 17 | 18 |

BIRTH STATISTICS

BIRTH RATE - 24.5

THERE WERE 10,792 BIRTHS IN 1944, AND A RATE OF 24.5 PER THOUSAND POPULATION. THIS CONTINUED THE DOWNWARD TREND WHICH STARTED THE LATTER PART OF 1942, OUR HIGHEST YEAR THE HIGH PEAK HAD BEEN REACHED WITH 2,014 BIRTHS AND A RATE OF 28.0, THE HIGHEST IN 20 YEARS. THE INCREASE DURING ANY IMMEDIATELY PRECEDING OUR ENTRANCE INTO THE WORLD CAN HAVE BEEN ONLY RAPID, INCREASING FROM 7,950 AND A RATE OF 17.3 IN 1939 TO THE 2,014 IN 1942, AN INCREASE OF 99% IN THREE YEARS. IT IS INTERESTING TO NOTE THAT ALTHOUGH THE YEAR 1942 HAD A HIGH PEAK HAD NO INCREASE IN BIRTHS CAUSED BY THE PRESENT WAR, THE HIGH PEAK AND THE FOLLOWING DECLINE DID NOT DEVELOP UNTIL 1920 OR TWO FULL YEARS AFTER THE WAR. THE FOLLOWING TABLE ILLUSTRATES THE GREAT PROPORTION OF BIRTHS BEING CARRIED OUT IN HOSPITALS, AS WELL AS THE DECREASE IN THE USE OF MIDWIVES, LESS THAN 10 YEARS AGO, APPROXIMATELY 50% OF ALL NEWARK BIRTHS WERE DELIVERED BY MIDWIVES, COMPARED WITH THE PRESENT DAY RATE OF LESS THAN 2%.

BIRTHS DATA 1944

| | | | | | |
|--------------|--------|---------|-------|--------------|-----|
| TOTAL BIRTHS | 10,792 | WHITE | 9,457 | STILLBIRTHS | 253 |
| MALES . . . | 5,494 | COLORED | 1,326 | ILLEGITIMATE | 373 |
| FEMALES . . | 5,298 | YELLOW | 9 | | |

| YEAR | TOTAL BIRTHS | BIRTH RATE | PHYSICIAN DEL. | AT HOME | HOSPITAL DELIV. | MIDWIFE DEL. | AT HOME |
|------|--------------|------------|----------------|---------|-----------------|--------------|---------|
| 1944 | 10,792 | 24.5 | 330 | | 10,306 | | 156 |
| 1943 | 11,856 | 26.9 | 432 | | 11,230 | | 194 |
| 1942 | 12,016 | 28.0 | 376 | | 11,472 | | 161 |
| 1941 | 9,765 | 22.8 | 325 | | 9,282 | | 158 |
| 1940 | 8,538 | 19.9 | 401 | | 7,952 | | 185 |
| 1939 | 7,950 | 17.3 | 401 | | 7,315 | | 234 |
| 1938 | 7,936 | 17.3 | 546 | | 7,106 | | 293 |
| 1937 | 7,659 | 16.7 | 603 | | 6,682 | | 374 |
| 1936 | 7,236 | 15.8 | 778 | | 6,025 | | 433 |
| 1935 | 7,638 | 16.8 | 1,047 | | 6,076 | | 515 |

NEGRO HEALTH STATISTICS

THE ESTIMATED NEGRO POPULATION OF NEWARK IS 18,000 OR APPROXIMATELY 11% OF THE TOTAL. ALTHOUGH THE VARIOUS MORTALITY RATES IN THIS GROUP ARE BOTH HIGH, THE NATIONAL AVERAGE OF ECONOMIC, EDUCATIONAL AND RESIDING HANDICAPS, IN ANY OF THE VARIOUS CITIES FOR THE LAST TEN YEARS IS RATHER ENCOURAGING. THE BIRTH RATE, FOR EXAMPLE, HAS DECREASED FROM OVER ONE HUNDRED THOUSAND NEW BIRTHS PER YEAR IN 1915, A BIRTH RATE OF 38%, TO A PRESENT MORTALITY IN THOSE FIVE YEARS HAS FALLEN FROM 15 TO 57% PER THOUSAND LIVING BIRTHS, ON A REDUCTION OF APPROXIMATELY 37%. IT IS WORTH NOTICING THAT IN THE LAST YEAR THERE WERE ONLY TWO MATERNAL DEATHS AND IN NONE OF THEM WAS LIFE TO BE THREATENED. IN FACT, THERE HAS BEEN ONLY ONE SEPTICEMIA DEATH IN THE PAST THREE YEARS AMONG 1,456 BIRTHS.

NEGRO HEALTH STATISTICS

| YEAR | DEATHS | RATE | BIRTHS | RATE | DEATHS | T.B. RATE | INFANT DEATHS | INFANT RATE | MATERNAL SEPT. | TOTAL | RATE PER M. DEL. |
|------|--------|------|--------|------|--------|-----------|---------------|-------------|----------------|-------|------------------|
| 1936 | 789 | 18.8 | 883 | 21.0 | 163 | 388.1 | 79 | 89.5 | 2 | 8 | 9.1 |
| 1937 | 618 | 14.4 | 846 | 19.7 | 112 | 360.5 | 52 | 61.6 | 3 | 5 | 6.0 |
| 1938 | 690 | 16.0 | 997 | 23.2 | 131 | 304.7 | 62 | 62.2 | 1 | 4 | 4.0 |
| 1939 | 630 | 14.3 | 965 | 21.9 | 117 | 365.9 | 72 | 74.6 | 1 | 8 | 8.3 |
| 1940 | 695 | 15.4 | 1043 | 23.2 | 138 | 306.6 | 74 | 70.9 | 1 | 10 | 10.0 |
| 1941 | 662 | 14.7 | 1070 | 23.8 | 119 | 264.4 | 67 | 62.6 | 2 | 5 | 5.0 |
| 1942 | 721 | 16.0 | 1247 | 27.5 | 125 | 277.7 | 69 | 54.5 | 0 | 1 | 1.0 |
| 1943 | 729 | 15.2 | 1242 | 25.9 | 117 | 243.9 | 74 | 59.5 | 1 | 4 | 3.0 |
| 1944 | 679 | 14.1 | 1326 | 27.6 | 119 | 247.8 | 76 | 57.3 | 0 | 2 | 1.6 |

CONTAGIOUS DISEASE

NEWARK NOT ONLY EXPERIENCED A GREAT DECREASE IN MORTALITY DURING 1944, BUT ALSO IN PRACTICALLY EVERY TYPE OF CONTAGIOUS DISEASE MORBIDITY. THE DISEASES SHOWING DECREASES INCLUDE THE FOLLOWING:

| | 1943 | 1944 | 11-YR. NORMAL |
|-------------------------------|------|------|---------------|
| TUBERCULOSIS | 705 | 585 | 645 |
| PNEUMONIA (L & B) | 1944 | 1274 | 1831 |
| TYPHOID FEVER | 8 | 3 | 8 |
| WHOOPING COUGH | 1088 | 294 | 1510 |
| MEASLES | 4987 | 3142 | 4259 |
| INFLUENZA | 194 | 75 | 236 |
| CHICKENPOX | 4484 | 3252 | 2630 |
| MUMPS | 3094 | 2384 | 1040 |
| GERMAN MEASLES | 9113 | 489 | 379 |
| EPIDEMIC MENINGITIS | 136 | 118 | 8 |

THE FOLLOWING SHOWED INCREASES:

| | | | |
|-------------------------------|-----|-----|-----|
| SCARLET FEVER | 401 | 642 | 645 |
| INFANTILE PARALYSIS | 13 | 29 | 13 |
| MALARIA | 0 | 56 | 2 |

THE INCREASE IN SCARLET FEVER WAS NON-SIGNIFICANT, AS THE NORMAL IS 645, AND THE DISEASE IN RECENT YEARS HAS BECOME MUCH LESS VIRULENT. THERE WAS ONLY ONE DEATH IN 642 CASES. ALTHOUGH INFANTILE PARALYSIS DID INCREASE, THE FIGURE WAS VERY LOW, WHEN IT IS CONSIDERED THAT THE DISEASE WAS EXCEPTIONALLY PREVALENT IN THIS SECTION OF THE COUNTRY. THE MALARIA FIGURE IS OF PARTICULAR INTEREST, AS ALL OF THESE CASES WERE IN MEN FIGHTING ON MILITARY SICK LEAVE, OR HAVING BEEN MEDICALLY DISCHARGED FROM THE SERVICES. ONLY 12 OF THE 56 WERE ACTUALLY NEWARK RESIDENTS. THE OTHERS WERE INCLUDED IN THE TOTAL IN-AMOUNT AS THE HOSPITAL WHERE THEY WERE CAREER FOR IS LOCATED IN THE CITY. THE HEALTH DEPARTMENT HAS RECENTLY EXPANDED ITS LABORATORY FACILITIES FOR THE PURPOSE OF CORRECTLY DIAGNOSING THIS TYPE OF FEVER, WHICH IS OFTEN A REACTIVATION OF A PREVIOUS ATTACK, AND IS COOPERATING WITH THE MOSQUITO COMMISSION TO PREVENT THE POSSIBLE SPREAD THROUGH MOSQUITOES FROM SUCH PATIENTS TO THE INDIVIDUALS. THE DISEASE HAS BEEN PRACTICALLY NON-EXISTENT IN THIS SECTION FOR MANY YEARS, DUE TO THE REDUCTION IN THE TYPE OF MOSQUITOES WHICH ARE CAPABLE OF TRANSMITTING THE DISEASE AND LACK OF INFECTED INDIVIDUALS. ALTHOUGH SUCH MOSQUITOES ARE PRESENTLY NOT PRESENT IN ANY GREAT NUMBER, THERE IS ALWAYS THE POSSIBILITY THAT THE PREVALENCE OF SUCH MOSQUITOES MAY INCREASE AND WITH THE PRESENTLY INFECTED NEWLY DEPARTING, LEADING TO A THE NEXT OUTBREAK OF FEVER YEARS. IT IS THE POSSIBILITY THAT MAKES NECESSARY THE CONSTANT COOPERATION WITH THE MOSQUITO EXTERMINATION COMMISSION AND THE ESTABLISHMENT OF PROPER LABORATORY AND DIAGNOSTIC FACILITIES.



EXECUTIVE DIVISION

ROBERT F. MORGAN, ASST. HEALTH OFFICER -- JR., ALFRED H. HARKIN, MEDICAL INVESTIGATOR

THE EXECUTIVE DIVISION PROVIDES THE GENERAL ADMINISTRATIVE FUNCTIONS OF THE DEPARTMENT FOR THE HEALTH OFFICER. THIS INCLUDES ACCOUNTING; VITAL STATISTICS; PUBLICITY AND HEALTH EDUCATION; PERSONNEL RECORDS AND ASSIGNMENT, CLEANING AND MAINTENANCE; PRINTING AND PLOT GRAPHING, MONTHLY AND ANNUAL REPORTS AND PAROCHIAL SCHOOL MEDICAL INSPECTION.

PAROCHIAL SCHOOL MEDICAL INSPECTION

ANN REILLY, R.N., SUPERVISING NURSE

CH LOREN IN 29 SCHOOLS, IS PROVIDED BY OUR DEPARTMENT WITH A SUPERVISING NURSE AND 14 SCHOOL NURSES. THEY ARE AIDED BY THE PHYSICIAN OF THE CONTAGIOUS DISEASE AND TUBERCULOSIS DIVISIONS AND OUR CITY DISPENSARY CLINICS.

SUMMARY OF WORK

| | | | |
|---------------------------------------|------|------------------------------------|-------|
| TEETH - DEFECT - - - - - | 9015 | MENTAL BEHAVIOR - - - - - | 9 |
| " - CURE - - - - - | 5458 | TOTAL EXCLUDED - - - - - | 1131 |
| NOSE & THROAT - DEFECT - - - - - | 2748 | VACCINATIONS - - - - - | 409 |
| " " - CURE - - - - - | 1599 | SCHOOL TREATMENTS - - - - - | 28400 |
| EYE & EAR - DEFECT - - - - - | 1738 | CLASS INSPECTION & TALKS - - - - - | 5646 |
| " " - CURE - - - - - | 859 | RE-INSPECTIONS - - - - - | 33297 |
| VERMIN & UNCLE TOM - DEFECT - - - - - | 2464 | PHYSICAL EXAM. NURSE - - - - - | 29612 |
| " " - CURE - - - - - | 2145 | " " DOCTOR - - - - - | 10452 |
| SKIN - DEFECT - - - - - | 4693 | GENERAL HOME CALLS - - - - - | 677 |
| " - CURE - - - - - | 3378 | IMMUNIZED AGAINST FTH - REA 100 % | |

BUREAU OF VISUAL HEALTH EDUCATION

PETER COVEN, SUPERVISOR

OF THE HEALTH DEPARTMENT ARE FREQUENTLY PORTAYED THROUGH THE USE OF WOMEN GUIDES WHICH VISUALIZE THE SPEAKERS WORDS. THE GROUPS CONTACTED INCLUDE FIREWORKERS, CLUB MEN AND WOMEN, CIVIL AND SERVICE CLUBS, FAMILIAL ORGANIZATIONS, VETERAN ORGANIZATIONS, HOSPITAL STAFFS, NURSES OF GROUPS, YOUTH LEADERS, UNION ORGANIZATIONS, PAROCHIAL SCHOOL CHILDREN, HOUSING PROJECT TENANTS, PARENT-TEACHER UNITS, ETC.

LEGAL WORK

HENRY KAPLAN, SANITARY INSPECTOR

HANDLES ALL CITY WORK BUT IS CURRENT AT ALL CONVENTION MEETINGS, FOR INSPECTORIAL EXAMINATION HOLDS WEEKLY MEETINGS OF THE HEALTH BOARD WHICH ASPECTORIAL EXAMINATIONS INDIVIDUALS AND VIOLENTLY ARE PRESENT, WE ARE VIOLENTLY AND LIMITATION MADE BY THE HEALTH OFFICER, EXTENSION OF TIME AND GRANTING OF WARRANTS, WHERE FEWER FOR COURT ACTION ARE GREATLY REDUCED BY THIS ARRANGEMENT, OUT OF 1992 SUCH CASES, ONLY 194 WERE TAKEN TO COURT.

MAINTENANCE

FRANK LAWSON, CUSTODIAN

CLEANING AND MAINTENANCE IS PROVIDED FOR THE MAIN BUILDING AND TWO NEARBY ANNEXES, AS WELL AS 22 OUTSIDE CLINICS USED FOR BABY-KEEP-WEILL STATIONS, TUBERCULOSIS EXAMINATIONS, PRE-NATAL CLINICS AND DENTAL CLINICS.

FINANCE -- VITAL STATISTICS

FRANK SHEA, ACCOUNTANT

JOHN N. KIMBALL, STATISTICAL CLERK

IMMEDIATELY FOLLOWING ARE THE FINANCIAL STATEMENT AND THE VITAL STATISTICS TABLES OF MAJOR PUBLIC HEALTH INTEREST

FINANCIAL STATEMENT - 1944

DISBURSEMENTS

| | | |
|--|------------------|---------------|
| PERSONAL SERVICE - SALARIES | \$ 735,746.00 | |
| OTHER THAN PERSONAL SERVICE: | | |
| DRUGS AND SURGICAL SUPPLIES | \$ 16,301.00 | |
| RENTS, TAXES, ANNEXES, BABY STATIONS | 13,905.00 | |
| POSTAGE, POST CARDS, STAMPED ENVELOPES | 6,213.00 | |
| TELEPHONE SWITCHBOARD SERVICES | 5,000.00 | |
| COAL, LIGHT AND HEAT | 4,790.00 | |
| STATIONERY AND PRINTING | 4,670.00 | |
| LAUNDRY SERVICES | 3,380.00 | |
| EMERGENCY COAL SHORTAGE ADVERTISING | 3,000.00 | |
| JANITOR SUPPLIES | 2,500.00 | |
| LABORATORY AND SURGICAL APPARATUS | 2,100.00 | |
| AUTOMOBILE AND MOTORCYCLE SUPPLIES | 2,000.00 | |
| CARFARES, AUTOHIRE, CONVENTION EXPENSE | 1,894.00 | |
| IN-SERVICE TRAINING - EMPLOYEES | 1,702.00 | |
| LINENS AND UNIFORMS | 1,700.00 | |
| CHRYSLER SEDAN PURCHASED | 1,600.00 | |
| RENTAL OF BUSINESS MACHINES | 642.00 | |
| INSURANCE | 401.00 | |
| MILK AND FOOD SAMPLES | 340.00 | |
| SCORING DAIRY EXPENSE | 330.00 | |
| LICENSE PLATES AND TAGS | 291.00 | |
| | <u>72,759.00</u> | |
| TOTAL | | \$ 808,505.00 |

DISBURSEMENTS
BY DIVISIONS

| | <u>SALARIES</u> | <u>SUPPLIES</u> |
|------------------------------|------------------|------------------|
| EXECUTIVE | \$ 64,563.00 | \$ 21,231.00 |
| SANITARY | 74,206.00 | 3,334.00 |
| INDUSTRIAL HYGIENE | 36,028.00 | 838.00 |
| OCCUPATIONAL | 26,548.00 | - |
| CONTAGIOUS | 49,360.00 | 2,086.00 |
| PLUMBING | 24,781.00 | 600.00 |
| PARCHIAL | 27,200.00 | 578.00 |
| FOOD AND DRUG | 80,056.00 | 2,638.00 |
| TUBERCULOSIS | 30,787.00 | 556.00 |
| VETERINARY | 37,551.00 | 690.00 |
| VENEREAL | 68,780.00 | 5,150.00 |
| DISPENSARY | 114,787.00 | 20,394.00 |
| LABORATORY | 25,856.00 | 2,648.00 |
| CHILD HYGIENE | <u>75,243.00</u> | <u>12,016.00</u> |
| TOTAL | \$ 735,746.00 | \$ 72,759.00 |

RECEIPTS

| | | |
|----------|---|--------------|
| PERMITS | ANIMAL | \$ 1.20 |
| " | " CHICKEN | 5.00 |
| " | " CHICKEN SLAUGHTERHOUSE | 830.00 |
| " | " PLUMBING | 2,149.00 |
| LICENSES | ICE | 491.50 |
| " | " MILK | 4,323.00 |
| " | " PLUMBING | 2,175.00 |
| " | " REFUSE | 70.00 |
| " | " LIVE POULTRY | 90.00 |
| FEES | VETERINARY CARCASS INSPECTION | 1,291.30 |
| " | " PLUMBERS EXAMINATION | 125.00 |
| " | " BACTERIOLOGICAL EXAMINATION | 203.25 |
| " | " OUT-OF-TOWN TREATMENT CLINICS | 159.00 |
| | CASH SALES PRESCRIPTION BOTTLES | 152.15 |
| | TELEPHONE CALLS AND REFUNDS | 10.01 |
| | CASH SALE POSTAGE STAMPS | 9.24 |
| | CASH SALE DAIRY SCORE PADS | 8.00 |
| | AUTO DAMAGE LIABILITY COLLECTED | <u>69.00</u> |

DEPOSITED WITH CITY COMPTROLLER AS MISCELLANEOUS REVENUE \$ 2,471.65

TO AID COAL SHORTAGE EMERGENCY, WE SOLD AND WERE PAID FOR 236 TONS OF COKE,
109 TONS OF HARD COAL AND 12 TONS OF SOFT COAL AND RECEIPTS WERE DEPOSITED
WITH CITY COMPTROLLER AND CREDITED TO HEALTH DEPT. "COAL REVOLVING FUND" . . \$4,793.50

FEES WERE RECEIVED FROM MILK PRODUCERS AND CREDITED TO A SPECIAL "DAIRY
INSPECTION ACCOUNT". THESE RECEIPTS ARE USED BY MILK INSPECTORS FOR
TRAVEL AND OTHER EXPENSE IN SUPERVISING NEWARK'S MILK SUPPLY \$15,453.97

INTERESTING HEALTH TRENDS 1917-1944

| YEAR | DEATHS UNDER 1 YR. | INFANT MORTAL- ITY ** | BIRTHS | BIRTH RATE | DIA- RRHOEA DEATHS UNDER 5 YRS. | T. R. DEATHS | T. R. DEATH RATE | DIPH- THERIA DEATHS | TYPHOID DEATHS | RATTS DIS. OTHS | DOG. HRT. OTHS |
|------|--------------------------|--------------------------------|--------|---------------|---|-----------------|------------------------|---------------------------|-------------------|-----------------------|----------------------|
| 1917 | 1931 | 87.8 | 11824 | 29.1 | 315 | 820 | 202.5 | 50 | 17 | 698 | 599 |
| 1918 | 1215 | 104.7 | 11575 | 27.0 | 331 | 798 | 185.6 | 82 | 15 | 629 | 633 |
| 1919 | 862 | 76.2 | 11297 | 25.7 | 295 | 637 | 144.8 | 50 | 9 | 504 | 529 |
| 1920 | 994 | 84.7 | 11734 | 28.3 | 244 | 540 | 130.4 | 62 | 8 | 507 | 492 |
| 1921 | 837 | 71.5 | 11705 | 27.5 | 210 | 446 | 104.9 | 44 | 12 | 417 | 510 |
| 1922 | 825 | 74.8 | 10993 | 25.4 | 167 | 428 | 99.1 | 73 | 12 | 346 | 640 |
| 1923 | 756 | 68.0 | 11110 | 25.3 | 133 | 406 | 92.5 | 34 | 11 | 340 | 727 |
| 1924 | 746 | 65.2 | 11449 | 25.7 | 132 | 392 | 87.9 | 39 | 12 | 399 | 729 |
| 1925 | 746 | 68.7 | 10852 | 24.0 | 129 | 378 | 83.4 | 42 | 5 | 343 | 850 |
| 1926 | 753 | 71.9 | 10460 | 22.7 | 128 | 421 | 91.5 | 21 | 7 | 331 | 948 |
| 1927 | 634 | 63.3 | 10010 | 21.5 | 82 | 387 | 82.9 | 62 | 6 | 266 | 1019 |
| 1928 | 626 | 63.8 | 9802 | 20.7 | 78 | 412 | 86.9 | 95 | 5 | 298 | 1002 |
| 1929 | 594 | 59.6 | 9975 | 20.7 | 52 | 441 | 91.8 | 96 | 5 | 258 | 1047 |
| 1930 | 512 | 52.3 | 9784 | 22.2 | 45 | 445 | 101.0 | 48 | 1 | 244 | 1005 |
| 1931 | 491 | 52.3 | 9506 | 21.4 | 36 | 412 | 92.4 | 16 | 2 | 224 | 980 |
| 1932 | 371 | 42.3 | 8746 | 19.4 | 16 | 360 | 80.0 | 2 | 4 | 242 | 958 |
| 1933 | 356 | 45.1 | 7897 | 17.6 | 18 | 388 | 85.8 | 1 | 2 | 228 | 1091 |
| 1934 | 342 | 45.2 | 7565 | 16.7 | 23 | 317 | 69.8 | 1 | 1 | 227 | 1082 |
| 1935 | 417 | 54.6 | 7638 | 16.8 | 24 | 316 | 69.4 | 1 | 0 | 201 | 1118 |
| 1936 | 332 | 45.9 | 7236 | 15.8 | 16 | 346 | 75.7 | 0 | 1 | 214 | 1162 |
| 1937 | 287 | 37.6 | 7659 | 16.7 | 32 | 301 | 65.8 | 1 | 0 | 168 | 1158 |
| 1938 | 310 | 39.1 | 7936 | 17.3 | 12 | 287 | 62.7 | 1 | 2 | 149 | 1201 |
| 1939 | 303 | 38.1 | 7950 | 17.3 | 20 | 277 | 60.3 | 1 | 4 | 154 | 1240 |
| 1940 | 300 | 35.1 | 8538 | 19.9 | 14 | 309 | 71.9 | 0 | 0 | 124 | 1360 |
| 1941 | 318 | 32.6 | 9765 | 22.8 | 13 | 274 | 63.9 | 0 | 0 | 222 | 1530 |
| 1942 | 352 | 29.3 | 12016 | 28.0 | 12 | 288 | 66.1 | 0 | 0 | 223 | 1756 |
| 1943 | 367 | 30.9 | 11856 | 26.9 | 15 | 294 | 66.8 | 1 | 0 | 276 | 1975 |
| 1944 | 375 | 34.7 | 10792 | 24.5 | 23 | 257 | 58.4 | 0 | 0 | 271 | 1744 |

** FOR NEO NATAL MORTALITY SEE "OTHER MORTALITY TRENDS"

OTHER MORTALITY TRENDS SINCE 1894

| YEAR | POPULATION | CRUDE DEATHS | CRUDE DEATH RATE PER 1,000 | RATES PER 100,000 | | | INFANT MORTALITY RATES | | |
|------|------------|--------------|----------------------------|-------------------|---------------|------------|------------------------|----------------|-------------|
| | | | | SCARLET FEVER | TYPHOID FEVER | DIPHTHERIA | UNDER 1 MO. | 1 TO 12 MONTHS | UNDER 1 YR. |
| 1894 | 203,923 | 4,543 | 22.28 | 33.8 | 16.7 | - | | | |
| 1895 | 215,725 | 4,615 | 21.37 | 16.2 | 23.2 | 26.6 | | | |
| 1896 | 225,000 | 4,716 | 20.96 | 7.6 | 20.9 | 39.9 | | | |
| 1897 | 230,000 | 4,010 | 17.43 | 23.5 | 14.3 | 59.6 | | | |
| 1898 | 235,000 | 4,303 | 18.30 | 6.4 | 17.4 | 56.6 | | | |
| 1899 | 240,000 | 5,537 | 18.90 | 14.2 | 25.0 | 5.7 | | | |
| 1900 | 246,070 | 5,006 | 20.34 | 22.4 | 20.3 | 58.1 | | | |
| 1901 | 250,000 | 4,806 | 19.22 | 9.2 | 22.8 | 41.2 | | | |
| 1902 | 255,000 | 4,943 | 19.38 | 18.0 | 18.4 | 41.2 | | | |
| 1903 | 266,000 | 4,923 | 18.50 | 26.7 | 23.7 | 45.1 | | | |
| 1904 | 272,000 | 5,378 | 19.77 | 44.1 | 14.7 | 55.1 | | | |
| 1905 | 283,239 | 5,025 | 17.74 | 15.9 | 14.1 | 38.8 | | | |
| 1906 | 290,000 | 5,551 | 19.14 | 11.7 | 17.2 | 34.1 | | | |
| 1907 | 300,000 | 5,724 | 19.08 | 13.7 | 23.0 | 31.7 | | | |
| 1908 | 305,000 | 5,207 | 17.07 | 29.2 | 11.5 | 21.6 | | | |
| 1909 | 311,000 | 5,529 | 17.77 | 22.5 | 12.5 | 38.8 | | | |
| 1910 | 347,469 | 5,764 | 16.64 | 11.2 | 12.7 | 29.9 | | | |
| 1911 | 352,000 | 5,337 | 15.16 | 6.0 | 10.5 | 21.0 | | | |
| 1912 | 370,000 | 5,423 | 14.65 | 3.0 | 7.0 | 24.6 | | | |
| 1913 | 380,000 | 5,562 | 14.63 | 6.9 | 7.9 | 28.0 | 76.8 | 54.2 | 93.0 |
| 1914 | 395,000 | 5,809 | 14.70 | 6.8 | 6.6 | 10.4 | 30.9 | 59.9 | 96.8 |
| 1915 | 375,000 | 5,382 | 14.30 | 1.6 | 2.9 | 3.1 | 36.4 | 48.9 | 85.3 |
| 1916 | 385,000 | 6,357 | 16.50 | 1.8 | 6.0 | 14.8 | 38.0 | 51.6 | 89.6 |
| 1917 | 405,000 | 6,205 | 15.30 | 0.7 | 4.2 | 2.3 | 34.9 | 48.9 | 87.8 |
| 1918 | 430,000 | 8,483 | 19.72 | 2.6 | 3.5 | 19.1 | 34.3 | 65.4 | 104.7 |
| 1919 | 440,000 | 5,534 | 12.57 | 2.7 | 2.0 | 11.3 | 33.1 | 43.1 | 76.2 |
| 1920 | 414,216 | 5,551 | 13.40 | 2.9 | 1.9 | 14.9 | 38.7 | 46.0 | 84.7 |
| 1921 | 425,000 | 4,774 | 11.24 | 5.9 | 2.8 | 10.4 | 34.4 | 35.1 | 71.5 |
| 1922 | 432,000 | 5,209 | 12.06 | 3.5 | 2.8 | 16.9 | 35.3 | 39.5 | 74.8 |
| 1923 | 439,000 | 5,221 | 11.67 | 1.1 | 2.5 | 7.7 | 31.3 | 32.0 | 68.0 |
| 1924 | 446,000 | 5,004 | 11.22 | 1.8 | 2.7 | 8.7 | 32.3 | 31.9 | 65.2 |
| 1925 | 453,000 | 5,310 | 11.67 | 2.0 | 1.1 | 9.3 | 33.3 | 38.4 | 68.7 |
| 1926 | 460,000 | 5,450 | 11.85 | 1.3 | 1.5 | 4.6 | 35.5 | 34.4 | 71.9 |
| 1927 | 467,000 | 5,086 | 10.90 | 2.6 | 1.3 | 13.3 | 34.8 | 24.5 | 63.3 |
| 1928 | 474,000 | 5,512 | 11.63 | 1.3 | 1.0 | 20.0 | 34.8 | 29.1 | 63.9 |
| 1929 | 480,000 | 5,632 | 11.74 | 0.8 | 0.6 | 20.0 | 31.2 | 28.4 | 59.6 |
| 1930 | 440,000 | 5,239 | 11.92 | 0.7 | 0.2 | 10.9 | 27.9 | 26.2 | 52.1 |
| 1931 | 445,000 | 5,073 | 11.40 | 2.0 | 4.5 | 3.6 | 35.0 | 21.5 | 51.5 |
| 1932 | 450,000 | 4,682 | 10.40 | 0.7 | 0.9 | 0.5 | 25.5 | 16.7 | 42.2 |
| 1933 | 452,000 | 4,930 | 10.91 | 0.9 | 0.5 | 8.2 | 24.8 | 20.3 | 45.1 |
| 1934 | 454,000 | 4,764 | 10.49 | 0.4 | 0.2 | 0.2 | 27.2 | 18.0 | 45.2 |
| 1935 | 455,000 | 4,996 | 10.56 | 0.2 | 0.0 | 0.2 | 32.4 | 21.7 | 54.6 |
| 1936 | 457,000 | 5,331 | 11.18 | 1.5 | 0.2 | NONE | 27.5 | 14.4 | 45.9 |
| 1937 | 458,000 | 5,061 | 11.00 | 0.2 | 0.0 | 0.2 | 21.8 | 15.7 | 37.5 |
| 1938 | 458,000 | 4,970 | 10.85 | 0.2 | 0.4 | 0.2 | 24.6 | 14.5 | 39.1 |
| 1939 | 459,000 | 4,855 | 10.58 | 0.9 | 0.9 | 0.2 | 14.3 | 13.8 | 38.1 |
| 1940 | 429,000 | 5,025 | 11.71 | NONE | NONE | NONE | 24.7 | 7.4 | 35.1 |
| 1941 | 429,000 | 5,127 | 11.62 | NONE | NONE | NONE | 23.2 | 9.4 | 32.6 |
| 1942 | 429,000 | 5,256 | 11.86 | 0.2 | NONE | NONE | 2.9 | 7.4 | 29.3 |
| 1943 | 440,000 | 5,702 | 12.55 | 0.2 | NONE | 0.2 | 2.5 | 9.4 | 30.9 |
| 1944 | 440,000 | 5,201 | 11.88 | 0.2 | NONE | NONE | 25.0 | 9.7 | 34.7 |

TOTAL DEATHS BY AGE GROUPS 1916-1944

| YEAR | TOTAL DEATHS | UNDER 1 YR | 1 AND UND 2 | 2 AND UND 5 | TOTAL UND 5 | 5-14 | 15-24 | 25-44 | 45-64 | 65 & OVER |
|------|--------------|------------|-------------|-------------|-------------|------|-------|-------|-------|-----------|
| 1916 | 6357 | 1026 | 390 | 405 | 1821 | 254 | 335 | 1197 | 1566 | 1184 |
| 1917 | 6205 | 1038 | 244 | 179 | 1461 | 237 | 340 | 1275 | 1637 | 1255 |
| 1918 | 8484 | 1215 | 433 | 434 | 2082 | 314 | 780 | 2308 | 1754 | 1245 |
| 1919 | 5534 | 862 | 190 | 186 | 1238 | 243 | 345 | 1204 | 1376 | 1122 |
| 1920 | 5551 | 994 | 253 | 192 | 1439 | 220 | 327 | 1041 | 1379 | 1145 |
| 1921 | 4776 | 837 | 136 | 134 | 1107 | 194 | 248 | 910 | 1256 | 1061 |
| 1922 | 5209 | 822 | 198 | 166 | 1186 | 232 | 268 | 925 | 1414 | 1184 |
| 1923 | 5221 | 756 | 163 | 136 | 1055 | 196 | 305 | 872 | 1503 | 1290 |
| 1924 | 5111 | 746 | 130 | 139 | 1015 | 199 | 268 | 975 | 1470 | 1184 |
| 1925 | 5447 | 746 | 132 | 144 | 1022 | 206 | 273 | 1018 | 1640 | 1288 |
| 1926 | 5606 | 753 | 187 | 158 | 1098 | 156 | 277 | 1015 | 1618 | 1442 |
| 1927 | 5296 | 636 | 109 | 112 | 857 | 210 | 277 | 974 | 1724 | 1254 |
| 1928 | 5735 | 626 | 156 | 186 | 968 | 245 | 304 | 1002 | 1794 | 1422 |
| 1929 | 5857 | 594 | 104 | 152 | 850 | 192 | 308 | 1162 | 1768 | 1577 |
| 1930 | 5447 | 512 | 83 | 119 | 714 | 188 | 327 | 1037 | 1788 | 1393 |
| 1931 | 5306 | 490 | 64 | 98 | 652 | 172 | 252 | 1025 | 1747 | 1458 |
| 1932 | 4850 | 371 | 41 | 73 | 485 | 128 | 228 | 890 | 1677 | 1442 |
| 1933 | 5128 | 356 | 68 | 96 | 520 | 141 | 215 | 914 | 1775 | 1563 |
| 1934 | 4921 | 342 | 54 | 54 | 450 | 117 | 192 | 824 | 1779 | 1559 |
| 1935 | 4996 | 417 | 46 | 60 | 523 | 117 | 190 | 864 | 1788 | 1514 |
| 1936 | 5331 | 332 | 45 | 45 | 422 | 116 | 208 | 861 | 1892 | 1832 |
| 1937 | 5256 | 287 | 51 | 61 | 400 | 115 | 202 | 812 | 1877 | 1850 |
| 1938 | 5116 | 310 | 29 | 45 | 384 | 86 | 179 | 751 | 1845 | 1871 |
| 1939 | 5005 | 303 | 23 | 24 | 350 | 97 | 168 | 704 | 1777 | 1909 |
| 1940 | 5207 | 300 | 26 | 33 | 359 | 55 | 168 | 703 | 1934 | 1988 |
| 1941 | 5127 | 318 | 30 | 34 | 382 | 62 | 138 | 639 | 1940 | 1958 |
| 1942 | 5256 | 352 | 25 | 36 | 413 | 50 | 151 | 682 | 1935 | 2025 |
| 1943 | 5702 | 367 | 24 | 44 | 435 | 66 | 148 | 660 | 2074 | 2313 |
| 1944 | 5201 | 375 | 24 | 29 | 428 | 67 | 113 | 618 | 1904 | 2071 |

"TOTAL DEATHS" INCLUDES ALL DEATHS IN NEWARK BOTH RESIDENT AND NON-RESIDENT AS WELL AS DEATHS OF NEWARKERS AT SOHO AND VERONA.

DEATHS AND DEATH RATES BY CAUSE AND COLOR 1943-1944

| | TOTAL | | | | NEGRO | | | |
|------------------------------|-------|--------|-------|--------|-------|--------|-------|--------|
| | 1944 | | 1943 | | 1944 | | 1943 | |
| | RATE | DEATHS | RATE | DEATHS | RATE | DEATHS | RATE | DEATHS |
| INFANTILE PARALYSIS | 0.7 | 3 | - | - | 2.1 | 1 | - | - |
| TYPHOID FEVER | - | - | 0.4 | 2 | - | - | - | - |
| MEASLES | 0.2 | 1 | 0.2 | 1 | - | - | 2.1 | 1 |
| SCARLET FEVER | 0.2 | 1 | 0.2 | 1 | - | - | - | - |
| WHOPPING COUGH | - | - | 0.4 | 2 | - | - | 2.1 | 1 |
| DIPHTHERIA | - | - | 0.2 | 1 | - | - | - | - |
| INFLUENZA | 2.7 | 12 | 5.2 | 23 | 4.2 | 2 | 4.2 | 2 |
| EPIDEM. MENING. (CEB. SPIN.) | 3.9 | 17 | 6.1 | 27 | 12.5 | 6 | 23.0 | 11 |
| TUBERCULOSIS OF LUNGS | 53.9 | 237 | 60.5 | 266 | 218.7 | 105 | 216.7 | 104 |
| TUBERCULOSIS MENINGITIS | 0.9 | 4 | 1.6 | 7 | 8.3 | 4 | 4.2 | 2 |
| OTHER TUBERCULOSIS | 3.6 | 16 | 4.8 | 21 | 20.8 | 10 | 23.0 | 11 |
| CANCER - MALIGN. TUMOR | 160.9 | 708 | 148.9 | 665 | 120.8 | 58 | 167.7 | 32 |
| SIMPLE MENINGITIS | 5.0 | 22 | 3.9 | 17 | 8.3 | 4 | 2.1 | 1 |
| APOPLEXY - SPT. OF BRAIN | 95.7 | 421 | 98.0 | 431 | 112.5 | 54 | 93.7 | 45 |
| ORGAN C - HEART DISEASE | 396.4 | 1744 | 448.9 | 1975 | 287.5 | 138 | 414.6 | 199 |
| BRONCHITIS | 1.8 | 8 | 1.1 | 5 | 2.1 | 1 | - | - |
| PNEUMONIA, LOBAR | 25.9 | 114 | 37.7 | 166 | 66.7 | 32 | 68.8 | 33 |
| PNEUMONIA, BRONCHO | 27.3 | 120 | 36.8 | 162 | 37.5 | 18 | 50.0 | 24 |
| OTHER RESP. DISEASES | 15.4 | 68 | 30.5 | 134 | 16.6 | 8 | 25.0 | 12 |
| DISEASE OF STOMACH | 7.7 | 34 | 10.9 | 48 | 4.2 | 2 | 4.2 | 2 |
| DIARRHOEA (UNDER 5 YEARS) | 5.2 | 23 | 3.4 | 15 | 8.3 | 4 | 12.5 | 6 |
| APPENDICITIS & TYPHILITIS | 5.7 | 25 | 7.1 | 31 | 10.4 | 5 | 2.1 | 1 |
| HERNIA, INTEST. OBST. | 17.1 | 62 | 17.1 | 75 | 21.9 | 11 | 18.8 | 9 |
| CIRRHOSIS OF LIVER | 10.9 | 48 | 9.1 | 40 | 14.6 | 7 | 4.2 | 2 |
| BRIGHT'S DIS. - NEPHRITIS | 61.6 | 271 | 62.7 | 276 | 68.7 | 33 | 93.7 | 45 |
| DIS. OF WOMEN (NOT CANCER) | 1.6 | 7 | 1.6 | 7 | 4.2 | 2 | 10.4 | 5 |
| PUERPERAL SEPTICAEMIA | - | - | 0.9 | 4 | - | - | 2.1 | 1 |
| OTHER PUERPERAL DIS. | 2.0 | 9 | 3.2 | 14 | 4.2 | 2 | 6.3 | 3 |
| CONG. DEBILITY & MALF. | 63.2 | 278 | 58.4 | 257 | 114.6 | 55 | 79.2 | 38 |
| OLD AGE | 6.6 | 29 | 10.5 | 46 | 4.2 | 2 | 6.3 | 3 |
| ACCIDENTS | 61.4 | 270 | 69.1 | 304 | 58.3 | 28 | 108.3 | 52 |
| HOMICIDE | 4.1 | 18 | 5.0 | 22 | 20.8 | 10 | 31.3 | 15 |
| SUICIDE | 9.5 | 42 | 12.5 | 55 | 4.2 | 2 | 2.1 | 1 |
| ILL-DEFINED CAUSES | 7.3 | 32 | 6.8 | 30 | 8.3 | 4 | 8.3 | 4 |
| ALL OTHER CAUSES | 126.6 | 557 | 132.3 | 582 | 147.9 | 71 | 133.3 | 64 |

DEATHS - CERTAIN CAUSES IN AGE GROUPS

| CAUSES OF DEATH | TOTAL DEATHS | UNDER 5 | | 5 TO 24 | | 25 TO 44 | | 45 TO 64 | | 65 & OVER | |
|-----------------|--------------|---------|------|---------|------|----------|------|----------|------|-----------|------|
| | | DEATHS | % | DEATHS | % | DEATHS | % | DEATHS | % | DEATHS | % |
| TOTALS | 520. | 428 | 8.2 | 180 | 3.9 | 68 | 11.9 | 1904 | 36.6 | 2071 | 39.8 |
| MEASLES | 1 | 1 | 100 | - | - | - | - | - | - | - | - |
| WHOPPING COUGH | - | - | - | - | - | - | - | - | - | - | - |
| DIARRHOEAL DIS. | 23 | 23 | 100 | - | - | - | - | - | - | - | - |
| EARLY INFANCY | 278 | 278 | 100 | - | - | - | - | - | - | - | - |
| INFLUENZA | 12 | 2 | 16.7 | 1 | 8.3 | 2 | 16.7 | 4 | 33.3 | 3 | 25.0 |
| PNEUMONIA | 234 | 52 | 22.2 | 9 | 3.9 | 23 | 9.8 | 74 | 31.6 | 76 | 32.5 |
| BRONCHITIS | 8 | 2 | 25.0 | - | - | 1 | 12.5 | - | - | 5 | 62.5 |
| PULMONARY T.B. | 237 | - | - | 37 | 15.6 | 93 | 39.2 | 93 | 39.2 | 14 | 6.0 |
| BRIGHT'S DIS. | 271 | - | - | 4 | 1.5 | 43 | 15.8 | 95 | 35.1 | 129 | 47.6 |
| CANCER | 708 | - | - | 4 | 0.6 | 72 | 1.0 | 358 | 50.5 | 274 | 47.7 |
| APOPLEXY | 421 | - | - | - | - | 28 | 6.6 | 58 | 37.5 | 234 | 55.7 |
| ORG. HRT. DIS. | 1744 | 3 | 0.2 | 24 | 1.4 | 133 | 7.6 | 687 | 39.4 | 897 | 51.5 |
| ACCIDENTS | 270 | 15 | 5.6 | 23 | 8.5 | 43 | 15.9 | 101 | 37.4 | 88 | 32.6 |

DEATHS BY SPECIAL CAUSES - 1936-1944

| | 1944 | 1943 | 1942 | 1941 | 1940 | 1939 | 1938 | 1937 | 1936 |
|------------------------------|------|------|------|------|------|------|------|------|------|
| TOTAL -- ALL CAUSES | 520 | 5702 | 5256 | 5 27 | 5207 | 5005 | 5116 | 5256 | 5331 |
| INFANTILE PARALYSIS | 3 | - | 2 | 3 | - | - | - | 1 | - |
| TYPHOID FEVER | - | - | - | - | - | 4 | 2 | - | 1 |
| TYPHOID FEVER "PARA" | - | 2 | - | - | - | - | - | - | - |
| MEASLES | 1 | 1 | 4 | 1 | 5 | - | - | 16 | 1 |
| SCARLET FEVER | 1 | 1 | 1 | - | - | 4 | 1 | 1 | 7 |
| DIPHTHERIA | - | 1 | - | - | 1 | 1 | 1 | 1 | - |
| WHOOPING COUGH | - | 2 | 3 | 4 | 1 | 6 | 6 | 7 | 12 |
| INFLUENZA | 12 | 23 | 5 | 19 | 8 | 10 | 17 | 24 | 21 |
| EPIDEM. MENINGITIS (CM SP) | 17 | 27 | 5 | 1 | 1 | 1 | 2 | 8 | 23 |
| OTHER EPIDEMIC DISEASES | - | - | - | - | 1 | - | 1 | - | - |
| TUBERCULOSIS OF LUNGS | 237 | 266 | 261 | 235 | 277 | 252 | 253 | 266 | 311 |
| TUBERCULOSIS MENINGITIS | 4 | 7 | 11 | 13 | 11 | 6 | 9 | 10 | 10 |
| OTHER TUBERCULOSIS | 16 | 21 | 16 | 26 | 21 | 19 | 25 | 25 | 25 |
| CANCER & MALIGN. TUMOR | 708 | 655 | 601 | 660 | 636 | 631 | 630 | 633 | 566 |
| SIMPLE MENINGITIS | 22 | 17 | 25 | 13 | 14 | 16 | 20 | 22 | 32 |
| APOPLEXY - SOFT. OF BRAIN | 421 | 431 | 425 | 415 | 440 | 383 | 347 | 310 | 358 |
| ORGANIC HEART D. SEASE | 1744 | 1975 | 1756 | 1530 | 1360 | 1240 | 1201 | 1158 | 1162 |
| BRONCHITIS | 8 | 5 | 11 | 5 | 11 | 9 | 18 | 13 | 31 |
| LOBAR PNEUMONIA | 114 | 166 | 144 | 125 | 91 | 130 | 189 | 245 | 254 |
| BRONCHO PNEUMONIA | 170 | 162 | 102 | 113 | 103 | 101 | 123 | 184 | 165 |
| OTHER RESPIRATORY DISEASES | 68 | 134 | 184 | 167 | 142 | 124 | 92 | 124 | 91 |
| DISEASES OF STOMACH | 34 | 48 | 34 | 30 | 31 | 39 | 43 | 51 | 34 |
| DIARRHOEA (UNDER 5 YRS) | 23 | 15 | 12 | 13 | 14 | 20 | 12 | 32 | 16 |
| APPENDICITIS & TYPHILITIS | 25 | 31 | 34 | 45 | 68 | 61 | 82 | 77 | 71 |
| HERNIA & INTEST. OBST. | 62 | 75 | 67 | 50 | 59 | 57 | 51 | 60 | 57 |
| C. RHOSIS OF LIVER | 48 | 40 | 34 | 47 | 37 | 36 | 42 | 42 | 35 |
| BRIGHT'S DIS. & NEPHRITIS | 271 | 276 | 223 | 222 | 124 | 154 | 149 | 168 | 214 |
| DIS. OF KIDNEY NOT CANCER | 7 | 7 | 10 | 4 | 19 | 11 | 11 | 12 | 9 |
| PUERPERAL SEPTICAEMIA | - | 4 | 2 | 5 | 2 | 5 | 4 | 10 | 6 |
| OTHER PUERPERAL DISEASES | 9 | 14 | 20 | 21 | 27 | 25 | 19 | 12 | 23 |
| CONG. DEBILITY & MALF. | 278 | 257 | 262 | 243 | 225 | 203 | 213 | 170 | 202 |
| OLD AGE | 29 | 46 | 30 | 43 | 28 | 36 | 43 | 49 | 45 |
| ACCIDENTS | 270 | 304 | 271 | 235 | 258 | 226 | 268 | 343 | 339 |
| HOMICIDES | 18 | 22 | 22 | 19 | 21 | 23 | 21 | 37 | 34 |
| SUICIDES | 42 | 55 | 66 | 55 | 82 | 50 | 66 | 70 | 68 |
| ILL-DEFINED | 32 | 30 | 32 | 51 | 50 | 39 | 39 | 34 | 44 |
| ALL OTHER CAUSES | 557 | 582 | 571 | 708 | 1039 | 1083 | 1116 | 1064 | 951 |
| CRUDE DEATH RATE (1000 POP.) | 11.5 | 12.6 | 11.9 | 11.6 | 11.7 | 10.6 | 10.9 | 11.0 | 11.2 |

BIRTHS BY ATTENDANT AND PLACE OF DELIVERY 1915-1944

| YEAR | TOTAL BIRTHS | NON-RESIDENT BIRTHS | HOSPITAL DELIVERIES | HOME DELIVERIES | | NO ATTENDANT | % TOTAL BIRTHS DEL'D IN HOSP. |
|------|--------------|---------------------|---------------------|-----------------|---------|--------------|-------------------------------|
| | | | | PHYSICIAN | WIDWIFE | | |
| 1915 | 10,955 | 238 | 1,295 | 4,243 | 5,414 | 9 | 1.8% |
| 1916 | 11,446 | 221 | 1,374 | 4,488 | 5,582 | 2 | 12.0% |
| 1917 | 11,850 | 381 | 1,956 | 4,195 | 5,696 | 3 | 16.5% |
| 1918 | 11,601 | 487 | - | - | 5,358 | 0 | - |
| 1919 | 11,315 | 554 | - | - | 5,148 | 0 | - |
| 1920 | 11,734 | - | - | - | 4,712 | 0 | - |
| 1921 | 11,705 | - | - | - | 4,470 | 0 | - |
| 1922 | 10,993 | 883 | - | - | 3,764 | 0 | - |
| 1923 | 11,111 | - | - | - | 3,552 | 0 | - |
| 1924 | 11,449 | - | - | - | 3,251 | 0 | - |
| 1925 | 10,852 | 1,258 | 4,845 | 3,208 | 2,799 | 0 | 44.6% |
| 1926 | 10,460 | 1,214 | 5,003 | 2,955 | 2,502 | 0 | 47.8% |
| 1927 | 10,042 | 1,246 | 4,995 | 2,709 | 2,338 | 0 | 49.7% |
| 1928 | 9,802 | 1,431 | 5,390 | 2,419 | 1,993 | 0 | 55.0% |
| 1929 | 9,965 | 1,822 | 5,805 | 2,436 | 1,724 | 0 | 58.3% |
| 1930 | 9,824 | 1,777 | 6,517 | 1,814 | 1,493 | 0 | 66.3% |
| 1931 | 9,506 | 2,137 | 6,824 | 1,491 | 1,191 | 0 | 71.8% |
| 1932 | 8,782 | 1,885 | 6,538 | 1,291 | 953 | 0 | 74.4% |
| 1933 | 7,897 | 1,703 | 6,195 | 986 | 716 | 0 | 78.4% |
| 1934 | 7,565 | 1,738 | 5,858 | 1,082 | 625 | 0 | 77.4% |
| 1935 | 7,638 | 1,812 | 6,076 | 1,047 | 515 | 0 | 79.5% |
| 1936 | 7,236 | 1,737 | 6,025 | 778 | 433 | 0 | 83.3% |
| 1937 | 7,659 | 1,956 | 6,682 | 603 | 374 | 0 | 87.2% |
| 1938 | 7,336 | 2,276 | 7,106 | 546 | 283 | 1 | 89.5% |
| 1939 | 7,950 | 2,180 | 7,315 | 401 | 234 | 0 | 92.0% |
| 1940 | 8,538 | 2,514 | 7,952 | 401 | 185 | 0 | 93.1% |
| 1941 | 9,765 | 3,162 | 9,282 | 325 | 158 | 0 | 95.1% |
| 1942 | 12,016 | 4,020 | 11,479 | 376 | 161 | 0 | 95.5% |
| 1943 | 11,856 | 3,978 | 11,230 | 432 | 194 | 0 | 94.7% |
| 1944 | 10,792 | 3,652 | 10,306 | 330 | 156 | 0 | 95.5% |

N.B. FROM 1925 ON, THE NON-RESIDENT BIRTHS HAVE BEEN INCLUDED IN THE TOTAL BIRTHS.

INFANT MORTALITY BY COLOR

| YEAR | WHITE INF. MORT. RATE | COL. INF. MORT. RATE | WHITE POST NEONATAL MORT. RATE * | COLORED POST NEONATAL MORT. RATE * | WHITE NEONATAL MORT. RATE | COL. NEONATAL MORT. RATE |
|------|-----------------------------|----------------------------|--|--|---------------------------------|--------------------------------|
| | | | | | | |
| 1921 | 67.9 | 134.5 | 32.4 | 75.7 | 35.5 | 53.8 |
| 1922 | 70.9 | 140.8 | 37.2 | 77.0 | 33.7 | 63.8 |
| 1923 | 65.0 | 112.4 | 29.7 | 66.1 | 35.3 | 46.3 |
| 1924 | 60.1 | 129.5 | 29.2 | 79.1 | 30.9 | 50.4 |
| 1925 | 61.0 | 55.1 | 33.8 | 89.9 | 27.2 | 65.2 |
| 1926 | 66.6 | 130.4 | 33.2 | 73.8 | 33.4 | 56.6 |
| 1927 | 54.7 | 140.5 | 25.1 | 59.9 | 29.6 | 80.6 |
| 1928 | 54.8 | 137.0 | 25.4 | 58.3 | 29.4 | 78.7 |
| 1929 | 49.8 | 138.7 | 23.2 | 70.3 | 26.6 | 68.4 |
| 1930 | 46.0 | 102.7 | 21.2 | 50.0 | 24.8 | 52.7 |
| 1931 | 46.3 | 95.5 | 21.8 | 45.8 | 24.5 | 49.7 |
| 1932 | 37.3 | 82.0 | 14.2 | 36.9 | 23.1 | 45.1 |
| 1933 | 39.1 | 91.1 | 17.2 | 42.8 | 21.9 | 48.3 |
| 1934 | 38.8 | 94.3 | 14.5 | 44.3 | 24.3 | 50.0 |
| 1935 | 50.7 | 84.8 | 18.6 | 45.9 | 32.1 | 38.9 |
| 1936 | 39.8 | 89.5 | 14.6 | 45.3 | 25.2 | 44.2 |
| 1937 | 24.0 | 61.5 | 23.3 | 39.0 | 21.7 | 22.5 |
| 1938 | 23.1 | 62.2 | 17.6 | 32.1 | 23.8 | 30.1 |
| 1939 | 36.7 | 74.8 | 18.4 | 32.2 | 18.3 | 42.6 |
| 1940 | 35.8 | 70.9 | 12.6 | 23.0 | 23.2 | 47.9 |
| 1941 | 28.9 | 62.6 | 10.5 | 21.5 | 21.1 | 41.1 |
| 1942 | 26.3 | 55.3 | 5.9 | 20.9 | 20.4 | 34.5 |
| 1943 | 27.6 | 59.5 | 7.1 | 28.9 | 20.4 | 30.5 |
| 1944 | 31.6 | 57.3 | 8.2 | 20.1 | 23.3 | 36.9 |

* OVER ONE MONTH BUT UNDER ONE YEAR.

DEATHS UNDER ONE YEAR BY CAUSES - 1917- 944

| YEAR | MEASLES | BROU- CH TIS | PNEU- MONIA | KENIN- GITIS | DIAR- RHOEA | OTHER CONTAG. DISEASES | EARLY INF. NO. YRS. PREVATUR. | ALL OTHERS | TOTAL |
|------|---------|-----------------|----------------|-----------------|----------------|------------------------------|-------------------------------------|---------------|-------|
| 1917 | 0 | 72 | 121 | 26 | 250 | 50 | 430 | 86 | 1035 |
| 1918 | 33 | 84 | 156 | 30 | 273 | 83 | 442 | 112 | 1213 |
| 1919 | 2 | 42 | 87 | 24 | 244 | 27 | 345 | 91 | 862 |
| 1920 | 16 | 57 | 143 | 19 | 191 | 64 | 402 | 100 | 994 |
| 1921 | 5 | 38 | 83 | 12 | 178 | 27 | 403 | 91 | 897 |
| 1922 | 14 | 44 | 128 | 11 | 153 | 22 | 352 | 98 | 822 |
| 1923 | 15 | 32 | 94 | 10 | 105 | 21 | 376 | 103 | 756 |
| 1924 | 4 | 38 | 106 | 17 | 115 | 24 | 356 | 86 | 746 |
| 1925 | 3 | 26 | 99 | 11 | 105 | 23 | 376 | 103 | 746 |
| 1926 | 17 | 18 | 142 | 5 | 102 | 16 | 383 | 70 | 753 |
| 1927 | 0 | 13 | 91 | 10 | 70 | 28 | 357 | 67 | 636 |
| 1928 | 11 | 8 | 97 | 12 | 68 | 19 | 356 | 55 | 626 |
| 1929 | 0 | 14 | 121 | 8 | 43 | 28 | 307 | 73 | 594 |
| 1930 | 4 | 9 | 95 | 10 | 33 | 10 | 278 | 73 | 512 |
| 1931 | 0 | 10 | 86 | 17 | 30 | 21 | 273 | 53 | 490 |
| 1932 | 0 | 2 | 67 | 5 | 13 | 12 | 232 | 40 | 371 |
| 1933 | 2 | 2 | 75 | 2 | 18 | 10 | 191 | 56 | 356 |
| 1934 | 0 | 2 | 52 | 5 | 23 | 2 | 221 | 37 | 342 |
| 1935 | 3 | 3 | 59 | 7 | 22 | 16 | 264 | 43 | 417 |
| 1936 | 0 | 5 | 51 | 10 | 13 | 9 | 202 | 42 | 332 |
| 1937 | 4 | 0 | 47 | 1 | 26 | 6 | 167 | 36 | 287 |
| 1938 | 0 | 3 | 40 | 3 | 10 | 10 | 211 | 33 | 310 |
| 1939 | 0 | 2 | 28 | 1 | 18 | 6 | 201 | 47 | 303 |
| 1940 | 0 | 1 | 26 | 4 | 14 | 0 | 223 | 32 | 300 |
| 1941 | 1 | 0 | 23 | 7 | 10 | 5 | 241 | 31 | 318 |
| 1942 | 2 | 1 | 41 | 3 | 8 | 2 | 260 | 35 | 352 |
| 1943 | 0 | 1 | 41 | 5 | 14 | 5 | 255 | 46 | 367 |
| 1944 | 0 | 1 | 43 | 8 | 23 | 3 | 275 | 22 | 375 |

BIRTHS & INFANT MORTALITY RATES BY WARDS - 1944

| WARDS | TOTAL BIRTHS | TOTAL COLORED BIRTHS | % TOTAL BIRTHS COLORED | MIDWIVES BIRTHS | % TOTAL BIRTHS DELIVERED BY MIDWIVES | TOTAL DEATHS UNDER 1 YEAR | INFANT MORTALITY RATES |
|-------|-----------------|----------------------------|------------------------------|--------------------|---|------------------------------------|------------------------------|
| 1 | 406 | 40 | 9.9 | 9 | 2.2 | 16 | 39.4 |
| 2 | 143 | 38 | 26.6 | 0 | - | 8 | 55.9 |
| 3 | 563 | 460 | 81.7 | 7 | 1.2 | 26 | 46.2 |
| 4 | 76 | 37 | 48.7 | 2 | 2.6 | 1 | 13.2 |
| 5 | 267 | 29 | 10.9 | 11 | 4.1 | 16 | 59.9 |
| 6 | 314 | 49 | 15.6 | 6 | 1.9 | 18 | 57.3 |
| 7 | 229 | 123 | 53.7 | 5 | 2.2 | 9 | 39.3 |
| 8 | 753 | 39 | 5.2 | 14 | 1.9 | 29 | 38.5 |
| 9 | 1023 | 82 | 8.0 | 7 | .7 | 35 | 34.2 |
| 10 | 319 | 39 | 12.2 | 14 | 4.4 | 10 | 31.3 |
| 11 | 500 | 30 | 6.0 | 8 | 1.6 | 15 | 30.0 |
| 12 | 356 | 12 | 3.4 | 17 | 4.8 | 13 | 36.5 |
| 13 | 762 | 7 | .9 | 17 | 2.2 | 16 | 21.0 |
| 14 | 508 | 149 | 29.3 | 20 | 3.9 | 24 | 47.2 |
| 15 | 254 | 79 | 31.1 | 4 | 1.6 | 8 | 3.5 |
| 16 | 687 | 45 | 6.6 | 15 | 2.2 | 20 | 29.1 |
| N.R. | 3632 | 68 | 1.9 | 0 | - | 109 | 30.0 |
| TOTAL | 10792 | 1326 | 12.3% | 156 | 1.4% | 373 2 375 | 34.7 |

* UNKNOWN

BIRTHS & DEATHS - BY WARD & COLOR 1944

| WARD | POPULATION | DEATHS | CRUDE DEATH RATE | BIRTHS | BIRTH RATE | DEATHS UNDER 1 YR. | INFANT MORT. RATE |
|-----------------|------------|--------|---------------------|--------|---------------|-----------------------|----------------------|
| 1 | 27,000 | 190 | 7.3 | 406 | 15.0 | 16 | 39.4 |
| 2 | 11,000 | 192 | 17.5 | 143 | 13.0 | 8 | 55.9 |
| 3 | 26,000 | 393 | 15.1 | 563 | 21.7 | 26 | 46.2 |
| 4 | 6,000 | 126 | 21.0 | 76 | 12.7 | 1 | 13.2 |
| 5 | 17,000 | 156 | 9.2 | 267 | 15.7 | 16 | 59.9 |
| 6 | 20,000 | 197 | 9.8 | 314 | 15.7 | 18 | 57.3 |
| 7 | 14,000 | 153 | 10.9 | 229 | 16.4 | 9 | 39.3 |
| 8 | 39,000 | 445 | 11.4 | 753 | 19.3 | 29 | 39.5 |
| 9 | 63,000 | 529 | 8.4 | 1023 | 16.2 | 35 | 34.2 |
| 10 | 20,000 | 137 | 6.8 | 319 | 15.9 | 10 | 31.3 |
| 11 | 29,000 | 295 | 10.2 | 500 | 17.2 | 15 | 30.0 |
| 12 | 21,000 | 176 | 8.4 | 356 | 16.9 | 13 | 36.5 |
| 13 | 58,000 | 489 | 8.4 | 762 | 13.1 | 16 | 21.0 |
| 14 | 31,000 | 286 | 9.2 | 508 | 16.4 | 24 | 47.2 |
| 15 | 12,000 | 142 | 11.9 | 254 | 21.2 | 8 | 31.5 |
| 16 | 46,000 | 417 | 9.1 | 687 | 14.2 | 20 | 29. |
| NON-RESIDENT | | 815 | - | 3632 | - | 109 | - |
| UNKNOWN ADDRESS | | 56 | - | - | - | 2 | - |
| TOTAL | 440,000 | 5201 | 11.5 | 10792 | 24.5 | 375 | 34.7 |
| COLORED | | | | | | | |
| 1 | 1,500 | 22 | 14.7 | 40 | 26.7 | 5 | 125.0 |
| 2 | 2,100 | 32 | 15.2 | 38 | 18.1 | 1 | 26.3 |
| 3 | 17,000 | 235 | 13.8 | 460 | 27.1 | 25 | 54.3 |
| 4 | 1,000 | 17 | 7.0 | 37 | 37.0 | 1 | 27.0 |
| 5 | 700 | 17 | 24.3 | 29 | 41.4 | 2 | 69.0 |
| 6 | 2,400 | 24 | 10.0 | 49 | 20.4 | 3 | 6.2 |
| 7 | 5,400 | 66 | 12.2 | 123 | 22.8 | 6 | 48.8 |
| 8 | 2,200 | 27 | 12.3 | 39 | 17.7 | 2 | 51.3 |
| 9 | 2,700 | 42 | 15.6 | 82 | 30.7 | 4 | 48.8 |
| 10 | 1,700 | 17 | 10.0 | 39 | 22.9 | 6 | 53.8 |
| 11 | 1,400 | 16 | 11.4 | 30 | 21.4 | 2 | 66.7 |
| 12 | 200 | 6 | 30.0 | 12 | 60.0 | - | - |
| 13 | 400 | 5 | 12.5 | 7 | 17.5 | - | - |
| 14 | 5,000 | 76 | 15.2 | 149 | 29.8 | 12 | 80.5 |
| 15 | 2,900 | 38 | 13.1 | 79 | 27.2 | 2 | 25.3 |
| 16 | 1,400 | 10 | 7.1 | 45 | 32.1 | - | - |
| NON-RESIDENT | | 24 | - | 68 | - | 5 | - |
| UNKNOWN ADDRESS | | 5 | - | - | - | - | - |
| TOTAL | 48,000 | 679 | 14.1 | 1326 | 27.6 | 76 | 57.3 |

SANITARY DIVISION

CHRISTOPHER C. NUGENT, JR. - ASST HEALTH OFFICER

THE CITY OF NEWARK IS DIVIDED INTO TEN DISTRICTS. THE DIVISION USES THREE EMERGENCY AUTOMOBILES AND FOUR MOTORCYCLES. THE BALANCE OF THE DISTRICTS ARE COVERED ON FOOT. THE SANITARY CONDITIONS ABATED BY THIS DIVISION INCLUDES THE FOLLOWING:

INSUFFICIENT HEAT IN HOMES AND OFFICES.
DEFECTIVE STORM LEADERS AND GUTTERS.
INSANITARY YARDS, CELLARS AND ALLEYWAYS.
DARK AND WINDOWLESS ROOMS.
BUILDINGS DEPRIVED OF CITY WATER,
DEFECTIVE PLUMBING.
INSPECTION OF CHICKEN MARKETS.

INSPECTION OF ROOMING HOUSES.
ACCUMULATION OF GARBAGE AND REFUSE.
HOUSES UNFIT FOR HABITATION.
INSPECTION OF THEATRES, LODGING HOUSES,
BARBER SHOPS AND BEAUTY PARLORS.

[DOG CONTROL]

FOLLOW-UP OF DELINQUENT DOMESTIC REGISTRATION.

COAL SHORTAGE EMERGENCY. DURING THE WINTER, IN ORDER TO PROTECT THE HEALTH OF THOSE WITHOUT COAL, WE UNDERTOOK THE TASK OF PROCESSING TEN THOUSAND APPLICATIONS FOR EMERGENCY COAL. THIS TASK WAS ACCOMPLISHED THROUGH CLOSE COOPERATION WITH THE COAL DEALERS AND BY THE ESTABLISHMENT OF SIX MUNICIPAL COAL STATIONS LOCATED THROUGHOUT THE CITY, SELLING APPROXIMATELY THIRTEEN THOUSAND BUSHELS OF COAL.

THIS DIVISION ENFORCE THE NEW ORDINANCE ON REHABILITATION OF DWELLINGS. THERE WERE 71 HEARINGS RELATIVE TO SUB-STANDARD DWELLINGS, WITH FOLLOWING RESULTS:

| | | | |
|------------------------------------|----|-------------------------------------|----|
| STRUCTURES REHABILITATED | 9 | CASES PENDING | 34 |
| STRUCTURES DEMOLISHED | 25 | REMOVED FROM E STUDY OF SUPERVISION | 3 |

DURING THE AVERAGE YEAR, OUR SANITARY INSPECTORS MAKE APPROXIMATELY 85,000 INSPECTIONS, SERVE 9,000 WRITTEN NOTICES, AND 22,000 NOISANCES ARE ABATED THROUGH LEGAL ACTION.

| YEARLY REPORT OF SANITARY DIV. | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| TOTAL NUMBER OF INSPECTIONS | 83075 | 83727 | 84586 | 88951 | 92302 | 89717 | 77130 |
| WRITTEN NOTICES (COMPLAINTS) | 10056 | 8745 | 8124 | 7523 | 9902 | 1131 | 10086 |
| NUMBER OF RE-INSPECTIONS | 24463 | 20267 | 2110 | 23194 | 2526 | 2107 | 1849 |
| NUMBER OF NOISANCES FOUND | 12453 | 19171 | 24191 | 25449 | 10517 | 14444 | 20717 |
| WRITTEN NOTICES SERVED | 8932 | 11078 | 10531 | 9465 | 11043 | 12240 | 10957 |
| ABATEMENTS, WRITTEN NOTICES | 7494 | 1178 | 4766 | 6862 | 932 | 9842 | 8450 |

FUMIGATION - PEST CONTROL

JOHN F. LYNCH, CHIEF INSPECTOR, FUMIGATION

BY ORDINANCE ALL FUMIGATORS MUST BE LICENSED AFTER PASSING WRITTEN EXAMINATION. ALL FUMIGATIONS REQUIRE PERMITS AND ARE SUBJECTED TO REGULAR INSPECTIONS. ALL RODENTS AND VERMIN CONDITIONS ARE INVESTIGATED BY THE DIVISION ON REQUEST.

THE FOLLOWING IS A TABULATION OF THE ACTIVITIES OF 1944:

| | |
|--|-----|
| INVESTIGATIONS - RODENT AND INSECTS - - - - - | 35 |
| WRITTEN NOTICES SERVED - - - - - | 165 |
| TOTAL NUMBER FUMIGATIONS - - - - - | 372 |
| FOOD TRUCKS, FREIGHT CARS (METHYL BROMIDE, CHLOROPICRIN AND HYDRO CYANIC ACID GAS) - - - - - | 39 |
| WAREHOUSE CHAMBER FUMIGATIONS (CHLOROPICRIN) - - - - - | 38 |
| FACTORIES, FOOD PLANTS (METHYL BROMIDE, CHLOROPICRIN, HCN) - - - - - | 11 |
| OCCUPIED DWELLINGS (HYDRO CYANIC ACID GAS) - - - - - | 23 |
| DEMOLITION OF STRUCTURES - INSPECTED 10, FUMIGATED (CYANO GAS) - - - - - | 3 |
| VACANT LOTS (CYANO GAS, CHLOROPICRIN) - - - - - | 63 |
| RUMMAGE SALES (FORMALDEHYDE) - - - - - | 195 |

INDUSTRIAL HYGIENE DIVISION

LEW S. E. BOUTILLIER, CHIEF INSPECTOR - CHARLES F. MAQUIRE, ASS'T CHIEF.

INCREASED EMPHASIS HAS BEEN PLACED ON "INDUSTRIAL HYGIENE" TO AID THE WAR EFFORT. THIS DIVISION IN ADDITION TO AN INSPECTORIAL STAFF HAS TWO INDUSTRIAL HEALTH NURSES AN ENGINEER AND THE CONSULTANT SERVICE OF OUR MEDICAL INVENTOR.

OUR INDUSTRIAL HYGIENE ENGINEER TESTS ATMOSPHERIC CONTAMINATION BY DUSTS, FUMES, GASES, VAPORS AND MISTS AND MAKES LABORATORY ANALYSES OF ATMOSPHERIC SAMPLES AND OF WORKING WATER ALSO INCLUDING ACIDS, METALS, OILS, ETC., COLLECTED TO DETERMINE EXPOSURE TO A TOXIC SUBSTANCE.

TESTS OF OCCUPATIONAL DERMATITIS IN SEVERAL WAR PRODUCTION PLANTS DISCLOSED AND ENABLED US TO ELIMINATE THE CAUSE.

INSPECTORS ACTIVITIES DURING 1944 - (TOTAL VISITS - 10,036)

| | |
|--|------|
| COMPLAINT INSPECTIONS - - - - - | 377 |
| ORIGINAL - - - - - | 6235 |
| REINSPECTIONS - - - - - | 1958 |
| TOTAL INSPECTIONS - - - - - | 8537 |
| VIOLATIONS FOUND - - - - - | 668 |
| ABATEMENTS - - - - - | 552 |
| WRITTEN NOTICES SERVED - - - - - | 344 |
| VERBAL " " - - - - - | 334 |
| INDUSTRIAL HYGIENE SURVEYS - - - - - | 492 |
| RECOMMENDATIONS MADE AND COMPLIED WITH - - - - - | 200 |
| VISITS TO DERMATITIS CASES - - - - - | 125 |
| CASES HEARD BY HEALTH OFFICER - - - - - | 22 |
| LAW SUITS INSTITUTED - - - - - | 7 |

RECOMMENDATIONS TO INDUSTRY INCLUDED THE FOLLOWING:

| | |
|--|--|
| VENTILATION: (GENERAL AND LOCAL EXHAUST) | MEDICAL: |
| SANITATION | PRE-PLACEMENT AND PERIODIC PHYS. EXAM. |
| SEPARATE LUNCH ROOMS | ABSENTEE RECORDS (AS TO CAUSE) |
| PERSONAL PROTECTION. | MEDICAL RECORDS |
| CLOTHING | FIRST AID |
| GOGGLES | GENERAL HEALTH PROGRAMS |
| RESPIRATORS | PREVENTION & CONTROL OF DERMATITIS, ETC. |
| NUTRITION | EMPLOY PHYSICIANS AND NURSES |
| ILLUMINATION | USE V. N. A. SERVICES |
| | PLANT INSPECTIONS |
| | (PHYSICIANS, NURSES AND SAFETY |
| | ENGINEERS) |
| | REST PAUSES (MID MORNING AND MID-AFT.) |

NURSES ACTIVITIES

| | |
|--------------------------------------|-----|
| INDUSTRIAL NURSING SURVEYS - - - - - | 474 |
| FOLLOW UP VISITS - - - - - | 211 |

| | |
|---|-------------------------|
| BLOOD SPECIMENS FOR SERO-DIAGNOSIS OF SYPHILIS (5 PLANTS) | 550 WORKERS |
| FLUOROSCOPIC CHEST EXAMINATIONS | (5 PLANTS) 5256 WORKERS |

| | |
|---|----|
| PLANTS INSTALLATING NEW DISPENSARIES - - - - - | 4 |
| " EMPLOYING PHYSICIAN (PART TIME) - - - - - | 9 |
| " REG. NURSE (FULL TIME 27) (PART TIME) 6 | |
| " INSTIT. TING PRE-EMPLOYMENT PHYSICALS - - - - - | 10 |
| " " PERIODIC " - - - - - | 3 |
| " ESTABLISHING CAFETERIAS - - - - - | 3 |
| " " NUTRITION PROGRAMS - - - - - | 20 |

DIVISION OF SANITARY ENGINEERING

CHARLES A. HALLGRING, CHIEF INSPECTOR -- PATRICK J. MONAGHAN, ASST. CHIEF INSPECTOR

WITH NEW PLUMBING INSTALLATIONS AT A MINIMUM DUE TO THE WAR, THIS DIVISION
TOOK OVER INVESTIGATIONS OF DEFECTIVE PLUMBING COMPLAINTS, HANDLED PREVIOUSLY BY THE
SANITARY DIVISION.

| | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 |
|---|------|------|------|------|------|------|------|-------|
| PLANS APPROVED - NEW SYSTEMS - - - - | 202 | 140 | 189 | 206 | 168 | 135 | 142 | 45 |
| PLANS APPROVED - OLD SYSTEMS - - - - | 1276 | 227 | 94 | 1 57 | 1001 | 677 | 562 | 196 |
| SEWER INSPECTIONS - - - - - | 271 | 235 | 263 | 294 | 186 | 121 | 128 | 126 |
| PLUMBING INSPECTIONS - - - - - | 6435 | 5560 | 4694 | 3777 | 2519 | 2243 | 2190 | 2165 |
| SPECIAL INSPECTIONS - - - - - | 2764 | 33 7 | 3649 | 4966 | 4713 | 6628 | 6732 | 11029 |
| FINAL PLUMBING INSPECTIONS - - - - - | 1390 | 395 | 260 | 315 | 1108 | 106 | 728 | 763 |
| WATER TESTS - - - - - | 558 | 453 | 433 | 470 | 379 | 194 | 153 | 106 |
| SMOKE TESTS - - - - - | 92 | 63 | 51 | 75 | 82 | 35 | 48 | 3 |
| COMPLAINTS RECEIVED - - - - - | 513 | 533 | 593 | 490 | 484 | 531 | 583 | 1920 |
| VIOLATIONS NOTICES SERVED - - - - - | 105 | 263 | 311 | 269 | 134 | 244 | 205 | 428 |
| NOTICES COMPLIED WITH - - - - - | 64 | 215 | 246 | 257 | 270 | 210 | 175 | 372 |
| NUISANCES ABATED - - - - - | | | | | | | | 1035 |
| LAW SUITS INSTITUTED - - - - - | 6 | 40 | 71 | 66 | 28 | 27 | 44 | 8 |
| MASTER PLUMBERS LICENSE ISSUED - - - | 461 | 461 | 436 | 438 | 424 | 419 | 401 | 397 |
| CROSS CONNECTIONS DISCONTINUED - - - | - | 15 | 11 | 13 | 47 | 38 | 12 | 3 |
| WATER SAMPLES COLLECTED - - - - - | - | 833 | 1055 | 955 | 1363 | 1231 | 1138 | 1187 |
| DANCE HALLS INSPECTED (FORMERLY BY INDUSTRIAL HYGIENE DIV.) - | | | | | 333 | 332 | 282 | 262 |

* * * * *

COMMUNICABLE DISEASE DIVISION

DR. J. W. GARDAM, MEDICAL DIRECTOR -- LEO G. DUFFY, CHIEF INSPECTOR

THE COMMUNICABLE DISEASE DIVISION IS RESPONSIBLE FOR CONTROLLING AND PREVENTING
THE SPREAD OF DISEASES OTHER THAN VENEREAL AND TUBERCULOSIS. LOW MORBIDITY PREVA-
LENCE GREATLY REDUCED INSPECTOR VISITS WHICH NUMBERED 25,448 DURING THE YEAR, COMPARED
WITH 37,177 IN 1943.

| MORBIDITY REPORT | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 |
|--------------------|------|------|------|------|------|------|------|------|--------|
| * DIPHTHERIA | 2 | 5 | 23 | 13 | NONE | 2 | NONE | 4 | |
| * SCARLET FEVER | 3146 | 504 | 496 | 1201 | 931 | 1087 | 645 | 401 | 642 |
| * TYPHOID FEVER | 11 | 6 | 5 | 25 | 6 | 2 | 5 | 8 | 3 |
| PARA TYPHOID | 1 | 1 | 2 | 5 | 1 | 3 | 1 | 0 | 0 |
| TUBERCULOSIS | 645 | 575 | 600 | 534 | 586 | 612 | 674 | 705 | 585 |
| UNDULANT FEVER | 1 | 5 | 1 | 10 | 3 | 5 | 0 | 3 | 1 |
| TRICHINOSIS | 0 | 2 | 0 | 0 | 0 | 3 | 3 | 5 | 2 |
| LOBAR PNEUMONIA | 1013 | 1210 | 889 | 1059 | 994 | 912 | 952 | 1145 | 707 |
| BRONCHO " | 818 | 928 | 715 | 662 | 583 | 599 | 597 | 793 | 547 |
| * EPIDEM-WENING. | 47 | 24 | 4 | 3 | 7 | 4 | 36 | 136 | 18 |
| * INFANT-PARALYSIS | 4 | 19 | 6 | 5 | 10 | 18 | 37 | 13 | 29 |
| ** WHOOPING COUGH | 1154 | 929 | 2116 | 2343 | 1051 | 1302 | 1534 | 1088 | 294 |
| * MEASLES | 643 | 3323 | 399 | 163 | 6878 | 4259 | 4105 | 4987 | 1 42 |
| GERMAN MEASLES | 375 | 445 | 91 | 81 | 170 | 6552 | 379 | 9113 | 489 |
| CHICKENPOX | 2069 | 2571 | 464 | 1173 | 2439 | 3632 | 2957 | 4484 | 3252 |
| MUMPS | 2952 | 919 | 1094 | 679 | 3503 | 1289 | 578 | 3094 | 2384 |
| ERYSIPELAS | 134 | 96 | 120 | 81 | 88 | 89 | 92 | 45 | 62 |
| VINCENTS ANGINA | 174 | 182 | 221 | 182 | 140 | 98 | 416 | 428 | 1173 |
| OPHTHALMIA NEON. | 126 | 21 | 155 | 151 | 127 | 58 | 31 | 61 | 47 |
| PUERPERAL FEVER | 0 | 1 | 1 | 0 | 4 | 4 | 0 | 2 | 4 |
| DYSENTERY | 1 | 5 | 3 | 1 | 2 | 2 | 2 | 0 | 2 |
| TETANUS | 3 | 3 | 1 | 2 | 1 | 2 | 3 | 0 | 2 |
| INFLUENZA | 236 | 312 | 39 | 104 | 89 | 424 | 138 | 194 | 75 |
| MALARIA | | | | | | | | | 56 *** |

* PLACARDED. TYPHOID FEVER AND INFANTILE PARALYSIS INVARIABLY HOSPITALIZED

** WHOOPING COUGH - ARM BANDS ON PATIENTS.

*** 46 PATIENTS IN NEWARK ARMY HOSPITAL = 10 IN DISCHARGED SOLDIERS.

* * * * *

FOOD & DRUG DIVISION

JOSEPH F. CONNOLLY, CHIEF INSPECTOR -- DAVID E. MORGAN, ASST. CHIEF INSPECTOR

DURING THE YEAR SPECIAL INVESTIGATIONS INCLUDED ROBERT CONTAMINATION IN FOOD STORAGE PLANTS, CONDITIONS IN REFRIGERATION PLANTS AND RA. LOAD REFRIGERATION CARS, AS WELL AS EXAMINATION OF DEHYDRATED FOODS FOR BACTERIAL COUNT AND PRESENCE OF COLON. (CONDENSABLE INSPECTION WAS ALSO MADE IN PLANTS HANDLING SALVAGED FOODS FROM BANKRUPT CONDENSED PLANTS DESTROYED BY FIRE ETC. STOREHOUSE AND REFRIGERATION CONDITIONS WERE FOUND SATISFACTORY IN MOST CASES AND THERE WERE ONLY A FEW INSTANCES OF CONTAMINATION FOUND IN FLOUR AND SOME DEHYDRATED FOODS. FOLLOWING TABLES SHOW TYPE OF INSPECTION WORK AND THE DEVELOPMENTS IN OUR CAMPAIGN FOR CLEAN DRINKING GLASSES.

PRINCIPAL CITY FOOD AND DRUG INSPECTIONS

| TYPES OF FOOD ESTABLISHMENTS | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|
| RESTAURANTS, LUNCHROOMS, ETC. - | 6064 | 7934 | 7333 | 5721 | 5483 | 9707 | 3640 |
| CAFES-TAVERNS - - - - - | 3514 | 3238 | 2832 | 2927 | 2854 | 4036 | 2984 |
| BAKERS-MFG. PLANTS - - - - | 687 | 1777 | 951 | 1015 | 152 | 470 | 477 |
| RETAIL STORES - - - - - | 1365 | 1011 | 978 | 547 | 612 | 495 | 408 |
| WHOLESALE DEALERS - - - - - | 47 | 111 | 12 | 159 | 79 | 65 | 10 |
| CANDY-RETAIL STORES - - - - | 2570 | 2612 | 2602 | 2380 | 2350 | 2259 | 197 |
| GROCERIES-RETAIL STORES - - - | 5367 | 5890 | 5257 | 6723 | 4986 | 4058 | 3890 |
| PRODUCE-RETAIL STORES - - - - | 1053 | 189 | 1063 | 900 | 93 | 331 | 796 |
| DRUGS-RETAIL STORES - - - - - | 465 | 496 | 621 | 620 | 376 | 480 | 457 |
| ICE CREAM-MFG. PLANTS - NEWARK | 183 | 213 | 146 | 116 | 169 | 165 | 8 |
| MFG. PLANTS-OUT OF CITY - - - | 51 | 115 | 67 | 65 | 91 | 68 | 0 |
| NON-ALCOHOLIC BEV. PLANTS-NEWARK | 155 | 95 | 86 | 40 | 46 | 65 | 36 |
| OUT OF CITY - - - - - | 16 | 45 | 9 | 5 | 23 | 0 | 0 |
| MISCL. WHOLESALE & FOOD MFG. - | - | 327 | 433 | 179 | 2193 | 580 | 103 |
| MISCELLANEOUS - - - - - | - | 244 | 189 | 715 | 459 | 440 | 1185 |
| SPECIAL INVESTIGATIONS - - - - | 1483 | 1085 | 905 | 1488 | 674 | 1362 | 340 |
| TOTAL INSPECTIONS - - - - - | 23738 | 25975 | 23484 | 23600 | 22478 | 24354 | 15760 |

REPORT ON GLASS SWAB SAMPLES TAKEN FROM NEWARK TAVERNS FOR BACTERIOLOGICAL EXAMINATIONS

| | 1941 | | 1942 | | 1943 | | 1944 | |
|---|------|----|------|----|------|----|------|----|
| | NO. | % | NO. | % | NO. | % | NO. | % |
| NO. TAVERNS FROM WHICH SAMPLES WERE TAKEN | 788 | | 996 | | 785 | | 776 | |
| TOTAL NUMBER OF BACTERIAL SAMPLES TAKEN | 1000 | | 1375 | | 1860 | | 2053 | |
| NO. FOUND STERILE - - - - - | 234 | 23 | 359 | 29 | 953 | 51 | 1081 | 53 |
| WITH COUNTS FROM 1 TO 1,000 - - - - | 188 | 19 | 335 | 24 | 405 | 22 | 527 | 26 |
| " " " 1,001-100,000 - - - - | 452 | 45 | 538 | 39 | 439 | 24 | 398 | 19 |
| " " " OVER 100,000 - - - - | 126 | 13 | 103 | 8 | 63 | 3 | 47 | 2 |
| SAMPLES SATISFACTORY - - - - - | 874 | 87 | 1272 | 93 | 1797 | 97 | 2006 | 98 |
| TOTAL NUMBER OF COLON SAMPLES TAKEN | 1000 | | 975 | | 1860 | | 2123 | |
| NO. FOUND STERILE - - - - - | 616 | 62 | 916 | 67 | 1412 | 79 | 1651 | 78 |
| WITH COUNTS FROM 1 TO 50 - - - - | 187 | 19 | 209 | 15 | 136 | 7 | 226 | 11 |
| " " " OVER 50 - - - - - | 197 | 20 | 250 | 18 | 250 | 13 | 246 | 12 |
| AVERAGE COLON COUNT - - - - - | 83 | | 79 | | 62 | | 44 | |
| SAMPLES SATISFACTORY - - - - - | 803 | 80 | 1125 | 82 | 1610 | 87 | 1877 | 88 |

MILK -- GREATER STRESS IS BEING PLACED ON MICROSCOPIC EXAMINATION WORK OF MILK AT THE COUNTRY PLANTS BY THE SEVERAL INSPECTORS ASSIGNED TO THAT WORK. THE NEWARK MILK SHED INCLUDES NEW JERSEY, NEW YORK, PENNSYLVANIA, AND MARYLAND IN WHICH THERE ARE 131 COUNTRY PLANTS HANDLING MILK FROM 183,000 COWS IN 10,657 DAIRIES, AND SUPPLYING ALMOST TWO MILLION QUARTS MILK DAILY. OF THIS, ABOUT 250,000 QUARTS ARE SHIPPED TO NEWARK. ALL COWS ARE PHYSICALLY EXAMINED AND TUBERCULIN TESTED. THERE ARE 44 OTHER CREAM PLANTS WHICH MUST BE CHECKED, LOCATED AS FAR WEST AS MICHIGAN AND WISCONSIN. LOCAL MILK INSPECTION INCLUDES ENFORCEMENT OF REQUIREMENT THAT ALL MILK MUST BE BOTTLED EVEN WHEN SERVED IN RESTAURANTS. FOLLOWING TABLE SHOWS FIELD INSPECTIONS AND MILK SAMPLE WORK.

FOOD & DRUG DIVISION - (CONTINUED)

MILK AND DAIRY INSPECTION REPORT

| | INSP. | RE-INSP. | TOTAL | EXCLUDED |
|-------------------------------|-------|----------|-------|----------|
| PASTEURIZING PLANTS - - - - - | 187 | 22 | 209 | 10 |
| RECEIVING PLANTS - - - - - | 161 | 36 | 197 | 15 |
| DAIRIES - - - - - | 3278 | 458 | 3736 | 270 |

MILK CONDEMNED -- 44,850 QTS.

COMPOSITE AVERAGES OF NEWARK'S MILK SUPPLIES

| GRADES OF MILK | NO. OF SAMPLES | AVE. BACT. PER C.C. | % BUTTER-FAT | % TOTAL SOLIDS |
|-------------------------|-------------------|------------------------|-----------------|-------------------|
| CERTIFIED - - - - - | 28 | 3,780 | 3.98 | 13.32 |
| PREMIUM - - - - - | 775 | 7,700 | 4.07 | 12.92 |
| PASTEURIZED - - - - - | 1111 | 10,000 | 3.70 | 12.44 |
| GRAND AVERAGE - - - - - | 1914 | 8,980 | 3.81 | 12.64 |

DAILY MILK CONSUMPTION

POPULATION 440,000

DAILY MILK CONSUMPTION -- 255,143 QTS.

PER CAPITA MILK CONSUMPTION -- 1.16 PINTS PER DAY

VETERINARY DIVISION

JOHN J. DEVINE, CHIEF VETERINARIAN

A STAFF OF VETERINARIANS AND MEAT INSPECTORS INSPECTS BUTCHER SHOPS AND ALL PLACES WHERE MEAT, POULTRY OR FISH IS HANDLED OR PREPARED. MEAT TRUCKS, POULTRY AND MEAT FREIGHT CARS ARE INCLUDED. ALL MEAT SOLD IN NEWARK MUST BE SLAUGHTERED UNDER SUPERVISION OF OUR OWN VETERINARIANS OR THOSE OF THE FEDERAL GOVERNMENT OR OF SOME MUNICIPALITY WHERE THE SERVICE IS APPROVED AND THE MEAT MUST BE PROPERLY STAMPED. DUE TO THE RECENT MEAT SHORTAGE, COUNTRY KILLED CARCASSES ARE ADMITTED IF BROUGHT TO A SPECIAL INSPECTION STATION WHERE OUR VETERINARIAN INSPECTS AND APPROVES. THIS STAFF ALSO INSPECTS ALL MEATS DELIVERED TO CITY INSTITUTIONS AND SUPERVISES ALL PET SHOPS.

DURING THE YEAR MORE THAN 40,000 CATTLE, CALVES AND SHEEP WERE INSPECTED IN ABATTOIRS, AND 20,274 COUNTRY DRESSED CALVES, HOGS, SHEEP AND GOATS WERE APPROVED AT OUR INSPECTION STATION. CONDEMNATIONS DURING THE YEAR INCLUDED 41 CARCASSES, 2,391 SECTIONS OF ANIMALS, 62,228 LBS. OF LIVE POULTRY AND A SMALL AMOUNT OF MISCELLANEOUS MEATS, FISH AND POULTRY IN RETAIL ESTABLISHMENTS. THE FOLLOWING TABLE SHOWS NUMBER OF INSPECTIONS AND TYPE OF FOOD PLACES SUPERVISED.

| | NO. INSPECTIONS | | | NO. INSPECTIONS | |
|---------------------------|-----------------|--------|-------------------------|-----------------|-------|
| BUTCHER SHOPS - - - - - | 596 | 23,816 | ABATTOIRS - - - - - | 9 | 676 |
| FISH STORES - - - - - | 83 | 1,850 | COUNTRY DRESSING STA. - | 1 | 75 |
| BOLOGNA PLANTS - - - - - | 29 | 845 | CITY INSTITUTIONS - - | 3 | 439 |
| DRESSED POULTRY SHOPS - - | 12 | 591 | WHOLE BEEF HOUSES - | 33 | 3,764 |
| POULTRY SLAUGHTER HOUSES | 54 | 2,719 | " FISH " - | 10 | 895 |
| PUBLIC MARKETS - - - - - | 41 | 924 | " LIVE POULTRY " - | 10 | 3,724 |
| REFRIGERATION PLANTS - - | 1 | 29 | HORSE MEAT PLANTS - | 3 | 363 |
| PET SHOPS - - - - - | 20 | 425 | | | |

CITY DISPENSARY

MELVINA RYAN, R.N., SUPERVISOR NURSES & CLINICS -- OSCAR STEVENS, CHIEF PHARMACIST.

THE REDUCTION IN UNEMPLOYMENT GREATLY REDUCED THE NUMBER OF INDIVIDUALS ENTITLED TO FREE MEDICAL CARE, RESULTING IN LESS CLINIC ATTENDANCE AS SHOWN BY THE FOLLOWING FIGURES. DURING THE YEAR, THE DISTRICT PHYSICIAN ARRANGEMENT WAS CHANGED SO THAT PATIENTS HAVE FREE CHOICE OF PHYSICIAN, THOSE ON RELIEF BEING PAID FOR BY THE RELIEF DEPARTMENT, AND THOSE NOT ON RELIEF, BUT UNABLE TO PAY, BEING PROVIDED BY THE HEALTH DEPARTMENT. THE NEW X-RAY DEPARTMENT MADE 25,966 X-RAYS DURING THE YEAR, THE BULK OF THESE BEING 4"X5" FILM FOR FOOD HANDLERS, DOMESTICS AND INDUSTRIAL GROUPS.

IN ADDITION TO PRESCRIPTIONS, THE PHARMACY CLEARS ALL FREE BIOLOGICALS AND IMMUNIZATION MATERIAL FOR CLINICS AND PRIVATE PHYSICIANS, SUCH AS 6,934 VACCINE POINTS, 422 COMBINED DIPHTHERIA-Whooping COUGH VACCINE, DICK AND SCHICK TEST, ETC. 3,528 BOTTLES OF COD LIVER OIL WERE PROVIDED FREE FOR DISTRIBUTION AT STATIONS.

CLINIC TREATMENTS

| | 1942 | 1943 | 1944 | | 1942 | 1943 | 1944 |
|------------------------|-------|------|-------|---------------------------------|-------|-------|-------|
| MEDICAL | 15072 | 8098 | 4193 | USUAL & OTHER INJEC. | 1682 | 1220 | 842 |
| CHILDREN | 2353 | 1081 | 305 | BLOOD COUNTS ETC. | 604 | 446 | 613 |
| SURGICAL | 4695 | 2698 | 1169 | URINALYSIS | 1970 | 2238 | 1346 |
| GYNAECOLOGICAL | 818 | 1657 | 1087 | CIRCUMCISION | 595 | 238 | 40 |
| SKIN | 2921 | 1114 | 447 | TUMOR, ANEMIA & ULCERS | 401 | 577 | - |
| RECTAL & G.E. | 2819 | 911 | 844 | EMPLOY. DIAGNOSTIC CLIN. | 4406 | 504 | 1317 |
| ORTHOPEDIC | 3440 | 2828 | 1328 | | | | |
| DENTAL | 10,47 | 5629 | 8613* | TOTAL TREATMENTS - - - | 62595 | 35990 | 25462 |
| NEURO-PsYCHIATRIC | 1081 | 895 | 606 | | | | |
| ESSEX CO. HOSPITAL | 257 | 203 | 204 | DIFF. PATIENTS TREATED | 17577 | 9453 | 6467 |
| NERVOUS DISEASES | 2203 | 1649 | 949 | PRESCRIPTIONS | 65719 | 35236 | 23136 |
| METABOLIC | 2809 | 1144 | 507 | X-RAYS DENTAL FILM | | | 2115 |
| VARICOSE VEINS | 1614 | 550 | 528 | " CHEST FILMS 4X5 | | | 20527 |
| VACCINATION | 1768 | 545 | 353 | " " " 14X17 | | | 2463 |
| ALPINE LAMP | 285 | 280 | 153 | " MISCL. CLINICS | | | 861 |
| MASSAGE & ELECT. THER. | 883 | 1129 | 901 | DOCTOR CALLS PD BY HEALTH DEPT. | | | 605 |
| HERNIA | 285 | 87 | 11 | " " " " RELIEF DEPT. | | | 511 |
| TESTS & IMMUNIZATIONS | 963 | 379 | 419 | " " " " APPLICANTS | | | 35 |
| | | | | " " REFUSED AS INELIGIBLE | | | 342 |

* INCLUDES 3,424 VISITS TO 3 NEIGHBORHOOD DENTAL CLINICS

OCCUPATIONAL CLINIC

DR. WILLIAM T. RUMAGE, DIRECTOR

BY LOCAL ORDINANCE, ALL FOOD HANDLERS AND DOMESTICS MUST BE PHYSICALLY EXAMINED AND RECEIVE HEALTH CARDS EVERY 6 MONTHS. THE EXAMINATION INCLUDES THE BLOOD TEST FOR SYPHILIS, TWICE YEARLY FOR DOMESTICS AND ONCE YEARLY FOR FOOD HANDLERS. IN 1944, OUR INCREASED X-RAY FACILITIES ENABLED US TO INCLUDE A 4"X5" X-RAY ANNUALLY FOR BOTH GROUPS. VINCENT ANGINA SMEARS ARE TAKEN WHERE ABNORMAL MOUTH SYMPTOMS ARE PRESENT.

DURING THE YEAR, 27,171 FOOD HANDLERS AND 2,194 DOMESTICS RECEIVED HEALTH CARDS. OF THESE, 20,294 FOOD HANDLERS AND 1,544 DOMESTICS WERE EXAMINED WITHOUT COST AT OUR CLINIC. THE REMAINING 7,554 WERE EXAMINED BY PRIVATE PHYSICIANS.

TUBERCULOSIS WAS FOUND PRESENT IN 323 FOOD HANDLERS AND 15 DOMESTICS, BUT ONLY 45 OF THAT TOTAL WERE REJECTED, THE OTHER 293 BEING GIVEN TEMPORARY CARDS AS THEY WERE NON-INFECTIOUS AND COULD ALSO BE KEPT UNDER OBSERVATION AND TREATMENT. THE CLINIC TOOK 5,484 BLOOD TESTS FOR SYPHILIS AND 148 WERE FOUND POSITIVE, LESS THAN 1%. PRACTICALLY ALL OF THESE WERE GIVEN TEMPORARY HEALTH CARDS AND REQUIRED TO TAKE NECESSARY TREATMENT. THERE WERE 19 CASES OF GONORRHOEA DETECTED AND ALL WERE EXCLUDED UNTIL CURED.

OF 9,856 MOUTH TESTS, 724 WERE POSITIVE FOR VINCENT'S ANGINA AND REQUIRED TO GO UNDER TREATMENT. THIS CLINIC COOPERATED WITH THE INDUSTRIAL HYGIENE DIVISION BY X-RAYING AND BLOOD-TESTING GROUPS REFERRED BY THAT DIVISION.

TUBERCULOSIS DIVISION

DR. W. JAMES FINE, DIRECTOR * -- DR. RYAN WILLNER, ASST. DIRECTOR
MAE WACKENHUTH, R.N., SUPERVISING NURSE

THE ANTICIPATED INCREASE IN TUBERCULOSIS MORTALITY DUE TO WAR-TIME OVERCROWDING AND STRAIN WAS REALIZED WHEN THAT RATE INCREASED FROM 20.3 PER 100,000 IN 1939, THE LOWEST EVER RECORDED, TO AN AVERAGE OF 66, DURING 1940-1943. THIS INCREASE WAS ALICHT THAT IN 1944 IT DROPPED TO 59.8, A NEW LOW RECORD FOR THE CITY. MORTALITY ALSO DECREASED WITH 585 NEW CASES, COMPARED WITH 705 IN 1943 AND 174 IN 1942. THE MORBIDITY DECREASE WAS PARTICULARLY ENCOURAGING DUE TO GREATLY INCREASED NUMBER OF EXAMINATIONS, SUCH AS DRAPPEES, INDUSTRIAL GROUPS AND COMPELSONY X-RAY OF HIGH SCHOOL PUPILS, TO INSURE SUFFICIENT NURSING FOLLOW-UP AND TO ELIMINATE UNNECESSARY VISITS, ALL CASES AND CONTACTS WERE RECLASSIFIED DURING THE YEAR TO INDICATE THE NUMBER OF VISITS NEEDED FOR BEST RESULTS.

CLINICAL WORK

| | |
|----------------------------------|--------|
| VISITS & INVESTIGATIONS - NURSES | 32,225 |
| CLINIC EXAM. (ADULTS & CHILDREN) | 5,359 |
| " " CARDIAC | 920 |
| " " HAY FEVER & ASTHMA | 694 |
| PNEUMOTHORAX TREATMENTS | 545 |
| FLUOROSCOPIC EXAMINATIONS | 955 |
| X-RAYS | 3,198 |
| CAMP CHILDREN EXAMINATIONS | 923 |

FOOD HANDLER & LOWEST WORK

| | |
|------------------------------|-----|
| FOOD HANDLER RE-EXAMINATIONS | 429 |
| " " TEMPORARY CARDS | 218 |
| " " REJECTED | 20 |
| DOMESTIC RE-EXAMINATIONS | 19 |
| " " TEMPORARY CARDS | 14 |
| " " REJECTED | 1 |

NEIGHBORHOOD CLINIC EXAMINATIONS

| SANATORIA & HOSPITAL | EXAMINATIONS | | |
|--------------------------------------|--------------|------------------|-----|
| GLEN GARDNER - STATE SAN. CLINIC | 244 | BAXTER TERRACE | 19 |
| FARMINGDALE - STATE PREVENTORIUM CL. | 2 | CUTLER STREET | 218 |
| SOMO-COUNTY HOSPITAL CLINIC | 6 | FERRY STREET | 58 |
| VERONA-COUNTY SANATORIUM CLINIC | 248 | SETH BOYDEN | 27 |
| | | PENNINGTON COURT | 56 |

TUBERCULOSIS STATISTICS - WHITE AND COLORED

| YEAR | POPULATION | | REPORTED CASES | | DEATHS | | MORBIDITY RATE | | MORTALITY RATE | |
|------|------------|---------|----------------|-----|--------|-----|----------------|-------|----------------|-------|
| | WHITE | COLORED | WHT | COL | WHT | COL | WHT | COL | WHT | COL |
| 1931 | 405,000 | 40,000 | 793 | 289 | 251 | 155 | 171.1 | 722.0 | 42.0 | 187.5 |
| 1932 | 410,000 | 40,000 | 532 | 245 | 195 | 165 | 129.7 | 612.6 | 47.6 | 412.5 |
| 1933 | 412,000 | 40,000 | 513 | 230 | 227 | 154 | 124.5 | 575.0 | 55.1 | 385.0 |
| 1934 | 414,000 | 40,000 | 447 | 217 | 186 | 124 | 107.9 | 542.5 | 44.9 | 310.0 |
| 1935 | 415,000 | 40,000 | 431 | 220 | 189 | 124 | 104.8 | 540.0 | 45.5 | 310.0 |
| 1936 | 415,000 | 42,000 | 429 | 213 | 182 | 163 | 105.7 | 507.1 | 43.8 | 388.0 |
| 1937 | 415,000 | 43,000 | 385 | 186 | 187 | 112 | 92.8 | 432.5 | 45.0 | 260.4 |
| 1938 | 415,000 | 43,000 | 395 | 203 | 154 | 95 | 95.1 | 472.0 | 37.3 | 304.6 |
| 1939 | 415,000 | 44,000 | 350 | 179 | 155 | 117 | 84.3 | 406.8 | 37.3 | 265.9 |
| 1940 | 384,000 | 45,000 | 300 | 85 | 154 | 138 | 104.2 | 311.1 | 44.0 | 306.6 |
| 1941 | 384,000 | 45,000 | 396 | 210 | 54 | 19 | 103.1 | 366.6 | 40.7 | 264.4 |
| 1942 | 384,000 | 45,000 | 474 | 195 | 161 | 125 | 123.4 | 439.3 | 41.9 | 277.7 |
| 1943 | 392,000 | 44,000 | 464 | 231 | 77 | 117 | 118.3 | 441.2 | 45.1 | 243.7 |
| 1944 | 392,000 | 46,000 | 371 | 207 | 135 | 119 | 94.6 | 431.2 | 34.4 | 247.9 |

DEATHS (LAPSE OF TIME AFTER REPORT CASE)

| | | |
|--|-----|--------|
| NO. CASES REPORTED PRIOR TO DEATH - UNDER 1 YEAR | 107 | 41.64% |
| 1 TO 2 YEARS | 26 | 10.12 |
| 2 TO 3 YEARS | 15 | 5.84 |
| 3 TO 4 YEARS | 6 | 2.33 |
| 4 YEARS & OVER | 41 | 15.95 |
| | 195 | 75.88% |
| NO. CASES REPORTED AFTER DEATH | 62 | 24.12% |

* DECEASED (DEC. 17, 1944)

DIVISION OF CHILD HYGIENE

DR. JULIUS LEVY, DIRECTOR

--

DR. HARRY SILVER, ASSISTANT DIRECTOR

MRS. MEREDITH EHRICH, SUPERVISING NURSE

THE INFANT MORTALITY RATE FOR 1944 IS 34.7, REPRESENTING AN INCREASE OF 3.8 OR APPROXIMATELY .1% OVER 1943. PRACTICALLY THIS ENTIRE INCREASE OCCURRED IN THE DEATHS IN THE FIRST MONTH OF LIFE AND MOST OF IT IN THE DEATHS IN THE FIRST WEEK. IT IS RELATED, THEN, TO OBSTETRICAL CONDITIONS AND TO SOME DEATHS FROM INFECTIOUS DIARRHEA OF THE NEWBORN.

IT IS ENCOURAGING TO BE ABLE TO REPORT THAT THE MORTALITY OVER ONE MONTH BUT UNDER ONE YEAR SHOWED AN INCREASE OF ONLY .3 OVER 1943 AND IS APPROXIMATELY HALF OF WHAT IT WAS TEN YEARS AGO.

THE STILLBIRTH RATE FOR 1944 IS THE LOWEST EVER REPORTED IN THE CITY. IT IS 22.9 PER 1,000 DELIVERIES AND IS ABOUT 30% LESS THAN IT WAS A DECADE AGO.

IN CONSIDERING THE INFANT MORTALITY RATE IT IS IMPORTANT TO EMPHASIZE THAT ALMOST ONE-THIRD OF ALL THE DEATHS IN THE FIRST YEAR OCCURRED IN THE FIRST DAY OF LIFE AND THAT MORE THAN ONE-HALF OCCURRED IN THE FIRST WEEK. IT IS IMPORTANT TO POINT OUT THAT THIS DOES NOT REPRESENT AN INCREASE IN THE ACTUAL RATE UNDER ONE DAY OR UNDER ONE WEEK BUT RESULTS FROM THE GRADUAL REDUCTION OF MORTALITY AMONG INFANTS WHO HAVE SURVIVED THE FIRST WEEK OF LIFE. FURTHER REDUCTION IN INFANT MORTALITY RATES WILL, THEN, HAVE TO COME FROM IMPROVEMENT IN PERINATAL CARE, FROM THE REDUCTION IN THE USE OF ANESTHESIA AND ANALGESIA, AND FROM IMPROVED CARE OF THE NEWBORN.

THERE WERE 7,160 RESIDENT BIRTHS IN 1944, OF WHICH 6,605 WERE UNDER THE SUPERVISION OF THE NURSES IN THIS DIVISION. ABILITY TO PAY, PLUS WARTIME WORK, HAS GREATLY REDUCED VISITS BY MOTHERS TO CLINICS, ALTHOUGH MANY DID COME DUE TO DIFFICULTY IN SECURING MEDICAL SUPERVISION. VISITS BY NURSES TO HOMES HAS INCREASED TO HELP OFFSET THE REDUCED CLINIC VISITS.

IN THE PAST YEAR, THE DIVISION HAS FOUND THE SERVICES OF THE SOCIAL WORKER EXCEEDINGLY HELPFUL. SHE HAS ASSISTED THE NURSES IN DEALING WITH MANY FAMILY SITUATIONS AND WORKS WHICH HAVE PRESENTED THEMSELVES IN INCREASING NUMBERS, DUE TO MOTHERS WORKING IN WAR JOBS, WIDOWHOOD, INADEQUATE HOUSING, NEGLECTED CHILDREN, AND THE SPECIAL NEED FOR PLACEMENT OF CHILDREN. WE HAVE BEEN ABLE ALSO VERY EFFECTIVELY TO ADVISE AND LICENSE NURSERY SCHOOLS, DAY NURSERIES, AND BOARDING HOMES.

DURING THE YEAR, 45 INFANT BOARDING HOMES, 4 NURSERY SCHOOLS AND 2 DAY NURSERIES WERE APPROVED AND LICENSED.

(SEE SPECIAL TABLES FOR STATISTICAL DATA)

NURSES' ACTIVITIES

| YEAR | SUPERVISED BABIES BORN DURING YEAR | TOTAL NO. OF SUPERVISED BABIES UNDER TWO YEARS | NURSES' VISITS TO HOMES | MOTHERS' VISITS TO CONSULTATION STATIONS |
|------|------------------------------------|--|-------------------------|--|
| 1927 | 4,318 | 7,400 | 47,957 | 13,468 |
| 1928 | 4,236 | 7,593 | 51,189 | 16,950 |
| 1929 | 4,609 | 8,089 | 57,251 | 22,038 |
| 1930 | 4,777 | 8,437 | 61,445 | 32,298 |
| 1931 | 5,070 | 11,829 | 68,715 | 32,395 |
| 1932 | 4,915 | 12,397 | 76,575 | 41,971 |
| 1933 | 4,386 | 11,868 | 71,093 | 34,845 |
| 1934 | 4,286 | 12,219 | 67,536 | 29,360 |
| 1935 | 4,060 | 12,940 | 72,877 | 25,903 |
| 1936 | 3,820 | 14,890 | 71,476 | 23,101 |
| 1937 | 3,532 | 13,785 | 71,507 | 23,823 |
| 1938 | 4,972 | 15,848 | 69,410 | 24,921 |
| 1939 | 5,152 | 14,700 | 68,292 | 26,604 |
| 1940 | 5,364 | 13,591 | 64,135 | 24,597 |
| 1941 | 5,747 | 13,034 | 6,280 | 24,340 |
| 1942 | 7,042 | 15,149 | 67,825 | 19,991 |
| 1943 | 7,530 | 16,663 | 76,632 | 16,706 |
| 1944 | 6,605 | 13,003 | 81,289 | 12,782 |

| CLINIC REPORT | SYPHILIS | | | | GONORRHEA | | | |
|--|----------|-------|-------|-------|-----------|------|------|------|
| | 194 | 1942 | 1943 | 1944 | 194 | 1942 | 1943 | 1944 |
| NEW PATIENTS - - - - - | 945 | 907 | 600 | 573 | 723 | 696 | 860 | 502 |
| TOTAL PATIENTS TREATED - - - - - | 5,660 | 4847 | 4325 | 4682 | 1515 | 1257 | 1111 | 1061 |
| TREATMENTS GIVEN - - - - - | 55069 | 46253 | 27395 | 21332 | 3226 | 6366 | 7926 | 6240 |
| CASES REPORTED FROM NEWARK - - - - - | 2712 | 322 | 1588 | 216 | 1105 | 1942 | 806 | 904 |
| " DISMISSED -ARRESTED OR CURED - - - - - | 1655 | 1324 | 1122 | 1355 | | | | |
| PATIENTS PUT ON REST - - - - - | 1814 | 1454 | 1409 | 880 | | | | |
| | | 1941 | 1942 | 1943 | 1943 | 1944 | | |
| SOURCE OF INFECTION - NAMED - - - - - | | 104 | 482 | 355 | 770 | | | |
| FOUND & EXAMINED - - - - - | | 64 | 278 | 270 | 462 | | | |
| FOUND INFECTIOUS - - - - - | | 26 | 152 | 141 | 216 | | | |

LABORATORIES

BACTERIOLOGICAL LABORATORY

DR. H. A. TARBELL, CHIEF BACTERIOLOGIST

| | |
|--------------------------------|------|
| DIPHThERIA CULTURES | 3904 |
| " " POSITIVE | 0 |
| TUBERCULOSIS SPUTA | 2886 |
| " " POSITIVE | 281 |
| TYPHOID (VIDALS) | 84 |
| " " POSITIVE | 3 |
| DOG BRAIN (RABIES) | 43 |
| POSITIVE (OUT-OF-TOWN DOGS) | 1 |
| " (NEWARK DOGS) | 2 |
| VINCENTS ANGINA SMEARS | 1563 |
| " " POSITIVE | 1788 |
| GONORRHOEA SMEARS | 7224 |
| " " POSITIVE | 776 |
| EXAM. FOR FOOD POISONING | 181 |
| " " UNDULANT FEVER | 25 |
| " OF FEACES & URINE | 35 |
| PNEUMONIA TYPINGS | 21 |
| WATER EXAMINATIONS | 734 |
| MILK " " | 2178 |
| ICE CREAM " " | 5 |
| SHELL FISH " " | 69 |
| SWABINGS FROM BEVERAGE GLASSES | 2086 |
| DOG BITE INVESTIGATIONS | 2012 |
| PASTEUR TREATMENTS GIVEN | 0 |

CHEMICAL LABORATORY

HALSEY DURAND, B.S., CHEMIST

| | |
|-------------------------------------|-------|
| TOTAL EXAMINATIONS | 8481 |
| MILK SAMPLES | 3443 |
| " " BELOW STANDARD | 36 |
| " AVERAGE SOLIDS (ALL SAMPLES) | 12.56 |
| " " FAT " " | 3.78 |
| CREAM SAMPLES | 37 |
| " " BELOW STANDARD | 4 |
| ICE CREAM SAMPLES | 67 |
| " " " BELOW STANDARD | 4 |
| WATER SAMPLES | 572 |
| MISCL. " " | 648 |
| PHOSPHOTABE TEST (MILK PASTEURIZ'N) | 3714 |

NOTE - SPECIAL EXAMINATIONS INCLUDED
HORSE MEAT, ADDED SULPHITES AND EX-
CESSIVE FAT CONTENT IN MEATS; ARTI-
FICIAL FLAVORINGS, ETC.

CLINIC LABORATORY (DISPENSARY PATIENTS)

FRANK CIASULLI, SR. LAB. TECHNICIAN

| | |
|------------------------|------|
| VINCENTS ANGINA SMEARS | 50 |
| MALARIA SMEARS | 65 |
| THRUSH SMEARS | 36 |
| GONORRHOEA SMEARS | 6251 |
| DARKFIELD EXAMINATIONS | 292 |
| COMPLETE BLOOD COUNTS | 390 |
| COMPLETE URINALYSIS | 1446 |
| HEMATOCRIT | 22 |

ALSO SPECIAL TESTS FOR CLOTTING AND
BLEEDING TIME & SEDIMENTATION RATE.

SEROLOGICAL LABORATORY

DR. H. S. MARTLAND, PATHOLOGIST

| | |
|--|-------|
| BLOOD WASSERMANN'S - KOLMER TECHNIC | 5653 |
| " " POSITIVE | 2673 |
| SPINAL FLUID WASSERMANN'S | 881 |
| " " POSITIVE | 58 |
| KAHN PRECIPITATION TESTS | 46119 |
| " " POSITIVE | 4751 |
| DARKFIELD EXAMINATIONS | 30 |
| " " POSITIVE | 23 |
| SMEARS FOR GONOCOCCI (CITY HOSP. ONLY) | 4421 |
| " " POSITIVE | 197 |
| HETEROPHILE ANTIBODY TESTS | 39 |
| " " POSITIVE | 10 |
| TOTAL EXAMINATIONS | 61177 |

SOURCE OF BLOOD SPECIMENS FOR

SYPHILIS EXAMINATION

| | |
|---|-------|
| CITY HOSP. CHIEFLY EXCLUSION TEST | 6996 |
| CITY DISP. (ROUTINE FOR PATIENTS) AND TO CONFIRM POS. KLINE TESTS OF FOODHANDLERS AND DOMESTICS | 5836 |
| OTHER HOSPITALS IN NEWARK | 3119 |
| PHYSICIANS OF NEWARK | 30191 |
| PRENATAL TESTS (REQUIRED BY LAW) | 5692 |
| PREMARITAL TESTS (REQUIRED BY LAW) | 9700 |

* MANY PRENATAL BLOODS WERE
PROBABLY NOT SO INDICATED.

VENEREAL DISEASE LABORATORY

CARL COROASCO, B.S., ASST. BACTERIOLOGIST

| | | |
|-------------|----------------------|-------|
| KLINE | FOOD HANDLERS | 14330 |
| BLOOD TESTS | " " POSITIVE | 297 |
| FOR | DISPENSARY | 1143 |
| SYPHILIS | " " POSITIVE | 63 |
| | DOMESTICS | 1218 |
| | " " POSITIVE | 78 |
| | SYPHILIS CLINIC | 4576 |
| | " " POSITIVE | 2490 |
| | SPECIAL | 7577 |
| | " " POSITIVE | 332 |
| | DRAFTEES & ENLISTEES | 4114 |
| | " " POSITIVE | 96 |
| | INDUSTRIAL | 2653 |
| | " " POSITIVE | 120 |
| | MISCELLANEOUS | 365 |
| | " " POSITIVE | 5 |
| | TOTAL | 35976 |

GONORRHOEA CULTURE LABORATORY

RUSSELL STEIN, B.S., BACTERIOLOGIST

| | |
|---|-------|
| BEING SUBSIDIZED BY STATE AND FEDERAL FUNDS, CULTURE EXAMINATIONS ARE MADE FOR ALL NORTH JERSEY. SERVES FOR CLINICS, PRIVATE PHYSICIANS, DRAFTEES, ETC. SPEC- IMENS CAN BE DELIVERED FOR DAILY COLLEC- TION AT ALL NEWARK PRIVATE HOSPITALS. | |
| TOTAL G. C. CULTURES (1944) | 10133 |
| POSITIVE | 1353 |

Temporary Reference

JUL 3 1946